AUTHOR INDEX

A

Anon., 27, 70, 135, 140, 154, 207, 209, 212, 251, 255, 264, 345, 417, 419, 455, 495, 536, 555, 612, 622, 685, 686, 726, 755, 756, 776, 779, 801, 806, 822, 941, 985, 991, 1009, 1139, 1147, 1161, 1375, 1420, 1425, 1445, 1447, 1477, 1631, 1634, 1773, 1845, 1873, 1891, 1894, 1919, 1930, 1983, 2054, 2059, 2071, 2073, 2075, 2132, 2137, 2147, 2205, 2212, 2276, 2279.
Abaza, M. S., & Sami, A., 259.
Abderhalden, E., 635.
Abeloos, M., 2064.
Abraham, E. P., Callow, D., & Gilliver, K., 2.
Adams, H. S., 2322.
Adams, J. M. See Rickard, E. R., et al., jt. authors, 65.
Adams, M. H., Hendee, E. D., & Pappenheimer, A. M., Jr., 1059.
Adutskevich, V. A., & Zaĭtseva, A. G., 1653.
Agren, G., 2253.
Agul'nik, M. A., 186.
Ainsworth, G. C., & Bisby, G. R., 827.
Aitken, G. J., Jr. See MacLeod, J., et al., jt. authors, 1364.
Aizenman, B. E. See Drobot'ko, V. G., et al., jt. authors, 735.
Akerblom, E. See Sjöberg, K., jt. author, 1365.
Akulova, N. S. See Sarkisov, A. K., et al., jt. authors, 1657.
Albert, A., & Money, W. L., 1530.
Albornoz, J. E., 1065.
Albrecht, W. A., 378.
Alegren, A., 819, 2319.
Aleixo, H. B. See de Magalhães, O., jt. author, 1756.
Aleksandrov, N. A., 2003.
Alessandro, N., 2129.
Alexander, C. M., & Chu, F., 916.
Alexander, H. E., & Leidy, G., 1856, 1857.
Alff, E. C. See Buchbinder, L., jt. author, 980.
Algire, G. H. See Chalkley, H. W., et al., jt. authors, 522.
Aliev, G. K., 2259.
Alikaev, V. A. See Pichugin, V. M., et al., jt. authors, 210.
Allcroft, R., 714.
Allcroft, W. M., 1821.
Allee, W. C. See Beeman, E. A., jt. author, 532.
Allen, R. W., 1624.
Allendorf, B. See Teichmann, R., jt. author, 1478.
Allenspach, V. 981.
Alston, J. M., 990.
Altenburg, E., 444.
Alture-Werber, E. See Loewe, L., jt. author, 1487.
Amirkhanov, G. I. See Sakavarelidze, V. Z., jt. author, 1569.
Amlie, R. See Svendsen, M., et al., jt. authors, 1947.
Ammann, K., 1456.
—, & Hess, E., 1050.
Anchezar, B. See Elizalde, P. I., et al., jt. authors, 834, 835.
Anderson, C. G., 238.
Anderson, E. K. See Clemmesen, J., jt. author, 575.
Anderson, J., 1528.
Anderson, L. J. See Heinrichs, D. H., jt. author, 1340.
Anderson, M. See Loew, E. R., et al., jt. authors, 1189.
Anderson, S. G., 2180.
—. See also Burnet, F. M., jt. author, 1791.
Anderson, W. A. See Osteen, O. L., jt. author, 1783.
—. See also Tilley, F. W., jt. author, 1446.
Andervont, H. B. See Stewart, H. L., et al., jt. authors, 349.
Andreasen, E., & Ottesen, J., 2058.
Andreev, K. P., 1986.
Andreevskiĭ, V. Y., 997.
Andres, 838.
Andrews, F. N., 2104.
—, Beeson, W. M., Barrick, E. R., & Harper, C., 1480.
—. See also Beeson, W. M., et al., jt. authors, 1479.
Anglesio, D., 1037.
Annand, P. N., 632.
Anthony, D. J., 367.
Aranes, G. M. See Logiudice, C. N., jt. author, 752.
Araujo, T. L., 92.
—, & Guimarães, L. M., 111.
Archibald, J. G., 1467.
Arena, A. R., & Cucchiani, R., 1257.
Arkhangel'skiĭ, I. I., 2249.
Arlein, M. S., 1133.
de Armas, J. See Vogelsang, E. G., jt. author, 35.
Armstrong, C. See Huebner, R. J., et al., jt. authors, 699.
Arnason, A. P. See Rempel, J. G., jt. author, 1618.
Arnold, E. H. See Ferguson, F. F., et al., jt. authors, 581.
Arnold, F. A. See du Buy, H., et al., jt. authors, 1566.
Arnstein, H. R. V., & Cook, A. H., 2031.
Arrighi, R., 1768.
Arthur, G. H., 565, 971, 2128.
Artioli, D. See Priestly, F. W., jt. author, 281, 2119.
Asdell, S. A. See Willman, J. P., et al., jt. authors, 860.
Ashburn, L. L., Endicott, K. M., Daft, F. S., & Lillie, R. D., 539.
Asplin, F. D., 1291, 1292, 1293.
—. See also Gordon, R. F., jt. author, 323.
Atkins, P., & Ward, J. L., 961.
Atkinson, L. A. See Blair, M., et al., jt. authors, 1102.
von Auersperg, A. P. See Shanahan, R. H., et al., jt. authors, 1398.
Aukema, C., 257.
Austvoll, J., 721.
Avelange. See Gilbert, jt. author, 1503.
von Axelsson, J., 1542.
Ayyar, S. V. See Viswanathan, G. R., et al., jt. authors, 863.
Azzi, A., 1284, 1296, 1598, 1626.

B

Babík, J., 1896.
Babudieri, B., 1297.
Bachman, G. H. See Lorenz, F. W., jt. author, 1537.
Bahlke, A. M. See Finn, S., et al., jt. authors, 1610.
Balduganova, E. P., 2293.
Bailey, J. H. See Hanke, M. E., jt. author, 1060, 2153.
Baillif, R. N., & Kimbrough, C., 1719.
Bailly, J. See Remlinger, J., jt. author, 1589, 2178.
Bakalor, S., 1691.
Baker, F., & Harriss, S. T., 2060.
Baker, M. L. See Blunn, C. T., jt. author, 1541.
Baker, W. C., & Schwartz, L. G., 584.
—, Scudder, H. I., & Guy, E. L., 583.
Balabyrdina, Z. A. See Revnivykh, A. G., jt. author, 510, 511.
Baldwin, E., 1245.
Ballot, A., 1326.
Balmer, S., 837.
Baltazard, M. See Blanc, G., jt. author, 1617.
Bandier, E., 375.
Banerjea, R., & Sen, A. K., 2275.
Barber, C. W., 1082.
—. See also Levine, P. P., jt. author, 303.
Barcroft, J., & Barron, D. H., 2264.
—, & Young, I. M., 2053.
Barea, D. J., 783.
Barella, A., 1040.
Bariatti, R., 1760.
Barker, M., 1014.
Barnard, H. F., 670.
Barnes, J. M., 327, 1850.
Barnett, H. L., & Fellers, F. X., 2103.
Barnum, D. A., 945.
—. See also Schofield, F. W., jt. author, 1342.
Barr, L. M. See Ecker, E. E., et al., jt. authors, 1614.
Barr, M., & Glenny, A. T., 1301.
Barrick, E. R. See Andrews, F. N., et al., jt. authors, 1480.
Barron, D. H. See Barcroft, J., jt. author, 2264.
Barron, N. S., & Kidd, A. A., 2254.
Barsantini, J. C., & Masson, G. M. C., 1890.
Bartlett, D. E., 2168.
—, Hasson, E. V., & Teeter, K. G., 1761.
Basset, J., 279, 884, 1394.
Basu, B. C., 2165.
Basu, P. N., & Sen, S. N., 1211.
Bate-Smith, E. C., 382.
Bateman, J. K., 1079.
Battelli, C., & Coceani, A., 650.
Batty, I., & Glenny, A. T., 288.
Baumann, R., & Kment, A., 962.
Bawa, H. S., 1020.
Baxley, H. M. See Matrone, G., et al., jt. authors, 972.
Baylor, M. B., & Clark, G. I., 700.
Bazeley, P. L. See Murnane, D., et al., jt. authors, 1847.
Bazzicalupo, C., 1863.
Beach, J. R., 2077.
Beaudette, F. R., & Black, J. J., 320.
—, & Hudson, C. B., 1770.
Beck, A., 72.
Back, A. B. See Bennetts, H. W., et al., jt. authors, 129.
Becker, D. L. See Mulligan, R. M., jt. author, 540.
Becker, J. E. See McCollum, E. V., jt. author, 2113.
Beeman, E. A., & Allee, W. C., 532.
Beeson, W. M., Andrews, F. N., & Brown, P. T., 1479.
—. See also Andrews, F. N., et al., jt. authors, 1480.
Bellinson, A. V., & Bobkova, M. P., 1300.
—, —, & Smolina, E. A., 1299.
Bekker, J. H. See Verlinde, J. D., jt. author, 1405.
Bekker, P. M., & Graf, H., 88.
Belding, T. C., & Dibble, G. D., 1865.
Belen'kiĭ, N. G., 996.
Bell, A. F., 2317.
Beller, K., 253, 1084.
Bellows, J. G., 1199.
Beltrán, E., 52.
Bendayan, J. P., 189.
Bendich, A., Kabat, E. A., & Bezer, A. E., 80.
—. See also Kabat, E. A., et al., jt. authors, 79.
Bendixen, H. C., & Blom, E., 284.
—, & Jørgensen, J., 853.
—. See also Larsen, L. H., jt. author, 61.
Benedek, R., 161.
Benham, G. H. See Swales, W. E., jt. author, 2172.
Bennett, H., 1246.
Bennetts, 1001.
Bennetts, H. W., 388, 1002.
—, Beck, A. B., Harley, R., & Evans, S. T., 129.
—, Harley, R., & Evans, S. T., 128.
Benoit, J. See Lombard, C., jt. author, 145.
Benson, D. V., 1348.
Benson, K., 358.
v. d. Berg, W., 718.
Bergamini, L., 762.
Berger, L., 392.
van den Berghe, L., 871, 1279.
—, & Hoffman, J., 290.
Bergsma, C., 705.
Berk, H. T. J. See Kolff, W. J., jt. author, 1922.
Berkman, S., Henry, R. J., & Housewright, R. D., 739.
Bernard, M. See Poursines, Y., et al., jt. authors, 33.
Bernhard, A., & Scher, Y., 794.

Bernheim, F. See Fitzgerald, R. J., jt. author, 2033.
Berridge, N. J. See Mattick, A. T. R., et al., jt. authors, 1169.
Berthelon, M., 930, 1272, 1384, 1535, 2111, 2291.
Bertrand, M. See Brion, A., jt. author, 1419.
Bessis, M., & Freixa, P., 508.
—. See also Caroli, J., jt. author, 355, 356, 357.
Best, C. H. See Ridout, J. H., et al., jt. authors, 1465.
Bethke, R. M., Kennard, D. C., & Chamberlin, V. D., 1816, 1817.
—, Record, P. R., Kennard, D. C., & Chamberlin, V. D., 1815.
Bevandić, M., 767.
Beveridge, C. G. L. See Randall, J. B., jt. author, 1500.
Beveridge, W. I. B., 2079.
Bezer, A. See Kabat, E. A., et al., jt. authors, 1294.
Bezer, A. E. See Bendich, A., et al., jt. authors, 80.
—. See also Kabat, E. A., jt. author, 78.
—. See also Kabat, E. A., et al., jt. authors, 79.
Bhaduri, P. N. See Greval, S. D. S., jt. author, 1656.
Bhatia, M. L. See Puri, I. M., jt. author, 1671.
Bichel, J., 1886.
Bickford, J. A. See Rimington, C., jt. author, 500.
Biester, H. E., & Schwarte, L. H., 2112.
Bird, H. R. See Marsden, S. J., jt. author, 953.
Bird, S., Pugsley, L. I., & Klotz, M. O., 1889.
Bisby, G. R. See Ainsworth, G. C., jt. author, 827.
Bishop, F. C., 577.
Biskind, G. R., & Biskind, M. S., 1105.
Biskind, M. S. See Biskind, G. R., jt. author, 1105.
Bisset, K. A., 1087.
Biswal, G., 1849.
Bivins, J. A. See Corpton, R., et al., jt. authors, 25.
Bizot, J., & Clouet, M., 1675.
Bjørneboe, M., Gormsen, H., & Lundquist, F., 507.
Black, A. See Swift, R. W., et al., jt. authors, 1459.
Black, J. J. See Beaudette, F. R., jt. author, 320.
Blacklock, J. W. S., 250.
Blagoveshchenskaya, G. S. See Rosenberg, V. A., et al., jt. authors, 1942.
Blagoveshchenskiĭ, D. I., & Serdyukova, G. V., 1181.
Blair, M., Porter, M. T., & Atkinson, L. A., 1102.
Blake, T. A., 1383.
Blakemore, F., & McDougall, E. I., 551.
Blakeslee, E. B., Tissot, A. N., Bruce, W. G., & Sanders, D. A., 2216.
Blanc, G., & Baltazard, M., 1617.
Blanc, R., 889.
Blaschko, H., 1339.
Blaser, E., 937.
de Blasi, R., 1576.
Blattner, R. J. See Smith, M. G., et al., jt. authors, 1769.
Blaxland, J. D., 459.
—, & Markson, L. M., 1132.
de Blieck, L., 2123.
—, & Jansen, J., 653.
Bloch, H., Matter, E., & Suter, E., 456.
Bloch, H. S., & Ray, F. E., 126.
Bloch, R. G. See Vennesland, K., et al., jt. authors, 1667.
Blom, E., 147, 359.
—. See also Bendixen, H. C., jt. author, 284.
Blood, B. D., 414.
Blood, D. C., 1832.
Bloom, W. L., McGhee, W. J., Cromartie, W. J., & Watson, D. W., 9.
—. See also Watson, D. W., et al., jt. authors, 8.
Blore, L. C. See Van Es, L., et al., jt. authors, 458.
Blount, W. P., 236.
Blunn, C. T., & Baker, M. L., 1541.
Bobkova, M. P. See Beilinson, A. V., jt. author, 1300.
—. See also Beilinson, A. V., et al., jt. authors, 1299.
Boccia, M., 1091.
Bodansky, O., & Gutmann, H., 1194.
Boddie, G. F., 138, 1136, 1335, 1380, 1638.
Bodin, S., 81.
Bodkin, G. E., 1728.
Böe, J. See Vogelsang, T. M., jt. author, 1666.
DeBoer, C. J., & Cox, H. R., 489.
Boero, J. J., & D'Angelo, E., 87.
Boev, S. N., & Bondareva, V. I., 1312.
Bogdanov, N. N., 1252.
Bohn, C. L. S. See Landboe-Christensen, E., jt. author, 2068.
Bok, R., 487.
Boldt, M. H. See Rosebury, T., et al., jt. authors, 1512.
Bolliger, A., & Hardy, M. H., 1206.
Bolton, W., 1118, 1119, 1120.
—. See also Common, R. H., et al., jt. authors, 1191.
Bolyard, M. N. See Steiner, P. E., et al., jt. authors, 1806.
Bonadonna, T., 1381, 1382.
Bonaduce, A., 1057.
Bondareva, V. I. See Boev, S. N., jt. author, 1312.
Bonestell, A. E. See Braun, W., jt. author, 1747.
Bonezzi, G., Cavelli, L., & Magni, G., 2163.
Bonfante, G., 132, 1867.
Bonnefoi, A., & Grabar, J., 667.
—. See also Grabar, J., jt. author, 668.
Bonney, V., 2193.
Bonnier, G., & Hansson, A., 1903.
—, et al., 1908.
Boor, A. K. See Miller, C. P., jt. author, 563.
Boquet, A., 267.
Borde, R. See Poursines, Y., et al., jt. authors, 33.
Borman, E. K., Stuart, C. A., & Wheeler, K. M., 1265.
—. See also West, D. E., jt. author, 1716.
Bos, K. See De Man, T. J., jt. author, 775.
Bosnić, L., & Rapić, S., 548.
Boswell, F. W., 1611.
Botija, C. S., 1317, 1639.
Boto, J. T., 1984.
Bottorff, C. A., & Kiser, J. S., 1170.
Boulanger, P. See Polonovski, M., et al., jt. authors, 1731.
Bourdelle, E., Bressou, C., & Florentin, P., 443.
Bourgain, M. See Pirot, R., jt. author, 1968.
Bourgeois, P. See Netter, A., jt. author, 774.
Bouvier, G., 339, 365, 1039.
—. See also Hauduroy, P., et al., jt. authors, 13.
Bovarnick, M., & de Burgh, P. M., 900.
—. See also de Burgh, P. M., et al., jt. authors, 1997.
Bovet, D. See Lwoff, M., et al., jt. authors, 1498.
Bow, M. R., & Brown, J. H., 1800.
Bowland, J. P. See Ensminger, M. E., et al., jt. authors, 1471.
Boyd, W. L., Karlson, A. G., Jasper, D. E., Sellers, A. F., & Collier, J. R., 915. 915.
Braga, A., 1526.
Bragagnolo, G., 746.
Brain, W. R., 2018.
van den Branden, J. F., 870.
Brandly, C. A., Hanson, R. P., Lewis, S. H., Winslow, N. S., Hoyt, H. H., Pritchard, W. R., & Nerlinger, C. M., 896.
—. See also Hanson, R. P., et al., jt. authors, 696.
Brandt, O., & Hülphers, G., 982.
Branion, H. D., Motzok, I., Slinger, S. J. & Pettit, J. H., 1825.
Brashear, A. D. See Hegre, E. S., jt. author, 220.
Bratzler, J. W. See Swift, R. W., et al., jt. authors, 1459.
Braude, R., 1814.
Braun, H. A., Lusky, L. M., & Calvery, H. O., 1361.
Braun, W., 471, 1367.
—. & Bonestell, A. E., 1747.
Bravo, D. C., 1703.
Breirem, K., 1108, 1837.
Brenner, C. See Merritt, H. H., jt. author, 1515.
Bressou, C. See Bourdelle, E., et al., jt. authors, 443.
Bretey, J., & Browaeys, J. 790.
Bretschneider, L. H., & de Wit, J. J. D., 2115.
Breus, A. A., 1552.
Brewer, C. R. See McCullough, W. G., et al., jt. authors, 468.
Brewster, L. E. See Zamecnik, P. C., et al., jt. authors, 2162.
Brian, P. W. See McGowan, J. C., jt. author, 1338.
Briggs, G. O. A., & Jennison, M. H., 2134.
Brillas, J. S., 2124.
Brinck, P., 935.
Brinton, D., 729.
Brion, 2192.
Brion, A., 687, 888.
—, & Bertrand, M., 1419.
Brizard, A. See Florio, R., et al., jt. authors, 19.
Brocklehurst, I. W., 6.
Brocq-Rousseu, D., 329.
Brookman, B. See Reeves, W. C., et al., jt. authors, 2184.
Browaeys, J., 42.
—. See Bretey, J., jt. author, 790.
Browaeys, M. J., 2299.
Brown, A. M., 1063.
Brown, D. J. See Seeberg, V. P., et al., jt. authors, 1153.
Brown, E. A., & Slanetz, L. W., 1043.
Brown, G. C., 2183.
Brown, J. H. See Bow, M. R., jt. author, 1800.
Brown, P. T. See Beeson, W. M., et al., jt. authors, 1479.
Brown, R. B., Jr. See MacLeod, J., et al., jt. authors, 1364.
Brown, T. G., 1557, 1558.
Browning, E., 1934.
Brownlee, A., 768.
Brownlee, G., & Bushby, S. R. M., 1494.
—, Goodwin, L. G., & Walls, L.P., 1349.
Bruce, H. M., & Parkes, A. S., 922.
Bruce, W. F. See Scott, M. L., et al., jt. authors, 1125.
Bruce, W. G. See Blakeslee, E. B., et al., jt. authors, 2216.
—. See also Leake, E. W., jt. author, 1186.
Brueckner, A. L. See Reagan, R. L., et al., jt. authors, 1994.
Bruins, P., 1129.
Brumpt, C. See Cordier, G., jt. author, 2151.
Brumpt, E., 2207.
—, & van Ty, D., 53.
Brunaud, M., & Pitre, J., 156.
Bruner, D. W., & Edwards, P. R., 1955.
—, —, & Doll, E. R., 1991.
—. See also Dimock, W. W., et al., jt. authors, 2091.
—. See also Edwards, P. R., jt. author, 1571.
Bruum, A., 381.
Bryan, W. R., Riley, V. T., & Calnan, D., 116.
Brydson, L. See Crossley, V. M., et al., jt. authors, 509.
Btesh, S., 1757.
Buchbinder, L., & Alff, E. C., 980.
Buck & Lamberton, 55.
Buckingham, M. See Lowell, F. C., jt. author, 1794.
Buechler, E. See Guggenheim, K., jt. author, 710.
Bueno, P., 934.
Buer, A. W., 1504.
Bugie, E. See Waksman, S. A., et al., jt. authors, 175.
Bunnell, D. E., Hutchings, L. M., & Donham, C. R., 1852.
Bunting, H. See Dempsey, E. W., et al., jt. authors, 1521.
Burdon, K. L., 1946, 2106.
van den Burg, W. B., 49.
de Burgh, P. M., Yu, P.-C., Howe, C., & Bovarnick, M., 1997.
—. See also Bovarnick, M., Jt. author, 900.
Burkhardt, J., 771.
Burn, J. L., 990

Burnet, F. M., 1792, 1995.
—, & Anderson, S. G., 1791.
—, & McCrea, J. F., 1593.
—, —, & Stone, J. D., 1790.
—, & Stone, J. D., 1998.
Burris, R. H. See Wilson, P. W., jt. author, 1885.
Burroughs, A. L., 862.
Burrow, H., 983.
Burton, W. H. See Carpenter, J. A., et al., jt. authors, 2144.
—. See also Garrard, E. H., et al., jt. authors, 1270, 1271.
Bushby, S. R. M. See Brownlee, G., jt. author, 1494.
Butaye, R., 1551.
du Buy, H., Arnold, F. A., & Olson, B. J., 1566.
Buzanec, J., 218.
Byerrum, R. U., & DuBois, K. P., 1128.
Bythell, D. W. P. See Temperton, H., et al., jt. authors, 302.

C

Cabell, C. A., 1008.
Cable, R. M. See Doyle, L. P., et al., jt. authors, 1484.
Cagniant, P. See Paraf, J., et al., jt. authors, 1741.
Caicedo Aguilar, R., 292.
Calhoun, L., 599.
Calisti, V., 148.
Callender, S. T., 144.
Callow, D. See Abraham, E. P., et al., jt. authors, 2.
Callow, E. H., 1813.
Calnan, D. See Bryan, W. R., et al., jt. authors, 116.
Caltabiano, D., & Vasta, S., 2203.
Calverley, C. E. See Gullickson, T. W., jt. author, 1115.
Calvery, H. O. See Braun, H. A., et al., jt. authors, 1361.
—. See also Draize, J. H., et al., jt. authors, 2313.
Calzada, V., & Szyfres, B., 112.
Cameron, G. R., 591.
—, Gaddum, J. H., & Short, R. H. D., 1336.
Cameron, H. S., 1263.
Camou, R. See Caujolle, F., jt. author, 1178.
Campbell, A. G. See Humphreys, F. A., jt. author, 541.
Campbell, A. M. G., Daniel, P., Porter, R. J., Russell, W. R., Smith, H. V., & Innes, J. R. M., 139.
Campbell, J. J. R., & Reed, G. B., 2141.
Camps, E. E., 848.
Canessa, S., 1599.
Canham, A. S., 96, 1418.
Cantarow, A., & Trumper, M., 1247.
Cantrell, W. See Oldham, F. K., et al., jt. authors, 573.
Cara, M. See Monod, R., jt. author, 558.
Card, L. E. See Nalbandov, A. V., jt. author, 1126, 1127.
Carlson, F. N. See Habermann, R. T., jt. author, 195.
Carlström, B., 1124.
Carnat, G., 418.
Carne, H. R., Wickham, N., Whitten, W. K., & Lockley, R. P., 1078.
Carneiro, V., 887.
Carnus, 1232.
Caroli, J., & Bessis, M., 355, 356.
—. See also Bessis, M., jt. author, 357.
Carpenter, J. A., Burton, W. H., & Garrard, E. H., 2144.
—. See also Garrard, E. H., et al., jt. authors, 1270, 1271.
Carpenter, R. K., Macleaod, L. D., & Reiss, M., 158.
Carrick, C. W. See Gerry, R. W., et al., jt. authors, 1107.
Carroll, W. E. See Fairbanks, B. W., et al., jt. authors, 519, 1117.
Carruthers, C. See Wicks, L. F., et al., jt. authors, 219.
Carson, G. B. See Hassall, A., et al., jt. authors, 1029, 1030.
Carter, H. B., Franklin, M. C., & Gordon, H. McL., 102.
Carter, H. F., & D'abrera, V. St. E., 1308.
Carver, J. S. See McGinnis, J., jt. author, 1641.
Casassa, M. T., & Ormea, F., 1038.
Cass, J. S. See Kitchell, R. L., et al., jt. authors, 1454.
Cassamagnaghi, A., Jr., 86, 105, 1314.
Casselberry, N. H., 402.
—. See also Schalm, O. W., jt. author, 1662.
Cassinelli, J. F. See Lasnier, E. P., jt. author, 911.
Castelo, M., 1377.
del Castillo, E. B., 155.
de Castro, M. P., & Pereira, C., 1305.
Catcott, E. J., 1780.
Caubet, P., 38.
—. See also Roubaud, E., jt. author, 478.
—. See also Stéfanopoulo, G., et al., jt. authors, 41.
Caujolle, F., & Camou, R., 1178.
Cavalli, L., & Magni, G., 2297.
—. See also Bonezzi, G., et al., jt. authors, 1399, 2163.
Cavett, J. W. See Molgard, P. C., jt. author, 1785.
Cawston, F. G., 909.
Cazal, P., 240.
Ceboci, F., 750.
Ceccarelli, A., 1251.
Cecilia, C. A., 1397, 1410, 1944.
—, & de Vergara, J. H. C., 1950.
Chadha, S. R., 1287.
Chalkley, H. W., Algire, G. H., & Morris, H. P., 522.
Chamberlin, V. D. See Bethke, R. M., et al., jt. authors, 1815, 1816, 1817.
Chamsy, H. M., 1036.
Chandler, V. L. See Price, C. W., et al., jt. authors, 2034.
Chang, S. L., 45.
—, & Negherbon, W. O., 46.
Chapman, F. A., 2045.
Chapman, S. S. See Downs, C. M., et al., jt. authors, 286.
Chapuis, J. P., & Jéquier-Doge, E., 678.
Charitat, M. See Girard, H., jt. author, 1775.
Chary, R., 1193.
Chassigneux, 1435.
Chavance, J., 1188.
Cheever, F. S., & Mueller, J. H., 2019.
Chen, G. See Schueler, F. W., et al., jt. authors, 1350.
Cheng, S. C., & Ho, C. L., 2160.
Chernysheva, P. S. See Drobot'ko, V. G., et al., jt. authors, 735.
Chesney, R. W. L., 1318.
Chitty, D., & Shorten, M. 787.
Chládecký, F., 2166.
Chorine, V., & Tanguy, Y., 517.
Choucroun, N., 1041, 1346.
Christensen, N. O., 343.
—, & Roth, H., 1096.
Christian, J. E., & Neuroth, M. L., 785.
Christie, G. J. See Downham, K. D., jt. author, 400.
—. See also Downham, K. O., et al., jt. authors, 737.
Christophers, S. R., 1184.
Chu, F. See Alexander, C. M., jt. author, 916.
Chu, H. J. See Ho, E. A., et al., jt. authors, 876.
Chu, J. P., 159.
Chung, H. L., & Feng, L. C., 334.
Cicardo, V. H. See Izzo, R. A., jt. author, 1261.
Ciliga, T., 777.
Clapp, J. M., Fay, R. W., & Simmons, S. W., 579.
Clare, N. T., 2231.
Clark, B. M., 550.
Clark, C. See Corper, H. J., jt. author, 839.
Clark, G. I. See Baylor, M. B., jt. author, 700.
Clark, J. B. See Wyss, O., et al., jt. authors, 1940.
Clark, R., & Quin, J. I., 1918.
Clark, W. G. See Dickenson, E. M., jt. author, 1932.
Clarke, J. O., 1376.
Clarkson, M. R., 1765.
Clement, M., 448.
Clemmesen, J., & Anderson, E. K., 575.
Clouet, M. See Bizot, J., jt. author, 1675.
Cobbett, N. G., 2041.
Coceani, A. See Battelli, C., jt. author, 650.
Cohen, S. S., & Fowler, C. B., 2201.
Cohn, M. L. See Corper, H. J., jt. author, 641, 1164.
Cohrs, P., 2021.
Cole, R. K. See Hutt, F. B., jt. author, 707.
Coles, J. D. W. A., 1374.
Collier, J. R. See Boyd, W. L., et al., jt. authors, 915.
Collins, 1001.
Collins, F. V., 1830.
Colovos, N. F. See Waller, E. F., et al., jt. authors, 939.
Coman, D. R., 917.
Combiescu, D., & Sturdza, S. A., 326.
Common, R. H., Rutledge, W. A., & Bolton, W., 1191.
Conn, H. J., & Elrod, R. P., 2164
Connell, R., 2277.
Connell, W. E. See Jensen, R., et al., jt. authors, 2247.
Conradi, H., 2135.
Cook, A. H. See Arnstein, H. R. V., jt. author, 2031.
Cooke, A. See Ivy, A. C., jt. author, 123.
Cooperman, J. M., Elvehjem, C. A., McCall, K. B., & Ruegamer, W. R., 1122.
Copenhaver, W. M. See Truex, R. C., jt. author, 2066.
Corazzi, G., 1207.
Cordier, G., & Brumpt, C., 2151.
Corieli, L. L. See Downs, C. M., et al., jt. authors, 286.
Corper, H. J., & Clark, C., 839.
—, & Cohn, M. L., 641, 1164.
Corpron, R., Bivins, J. A. & Stafseth, H. J., 25.
Corvazier, R. See Lemétayer, E., et al., jt. authors, 901, 902.
Cory, E. N. See Quigley, G. D., jt. author, 190.
de Costro Ferriera, L. See Laemmert, H. W., et al., jt. authors, 1295.
Couch, J. R., James, L. E., & Sherwood, R. M., 1321.
Coulston, F. See Huff, C. G., jt. author, 1764.
Council, F. E. See Florman, A. L., et al., jt. authors, 743.
Courmont, P., Gardère, H., & Deries, G., 1162.
Couvy, M. L., 2048.
Coward, K. H., 2321.
Cowdery, J. S., 1254.
Cowie, A. T., & Folley, S. J., 143, 963, 964.
Cox, H. R. See Deboer, C. J., jt. author, 489.
Craigie, J., 1085.
—, & Felix, A., 462.
Crawford, A. B., 671.
Crawford, F. W., 1696.
Crawford, M., 1612.
Crawshaw, H. A., 1501.
Crew, F. A. E., 1393.
Cromartie, W. J. See Bloom, W. L., et al., jt. author, 9.
—. See also Watson, D. W., et al., jt. authors, 8.
Cross, F. See Jensen, R., et al., jt. authors, 2247.
Cross, J. B., 1282.
—. See also Scott, J. A., jt. author, 1804.
Crossley, V. M., Ferguson, M., & Brydson, L., 509.
Crossmon, G., & Gallasch, B. G., 1721.
Crowther, C., 614.
Cruickshank, J. C., 849.
Cruickshank, R., 990.
da Cruz, S., 1987 .
Cuboni, E., 618.
Cucchiani, R. See Arena, A. R., jt. author, 1257.
Cummins, S. L., 1559.
Cunha, T. J. See Ensminger, M. E., et al., jt. authors, 1471.
Cunliffe, A. C., 990.
Cunningham, C. H., & Stuart, H. O., 496, 697.
Cunningham, E. R., 1931.
Curasson, G., 310, 823, 824.
—, & Mornet, P., 2157.
Curasson, M. G., 1069, 1430, 2171.

Curl, M. See Hare, R., jt. author, 1435.
—. See also Hare, R., et al., jt. authors, 506.
Curnen, E. C., Pickels, E. G., & Horsfall, F. L., Jr., 894.
—. See also Evans, A. S., jt. author, 1993.
Curran, H. R., & Evans, F. R., 295.
Czackes, J. W. See Olitzki, L., et al., jt. authors, 2199.

D

D'abrera, V. St. E. See Carter, H. F., jt. author, 1308.
Daft, F. S. See Ashburn, L. L., et al., jt. authors, 539.
Dale, C. N. See Powick, W. C., et al., jt. authors, 1473.
Daley, D. E. See Davey, J. F., jt. author, 1233.
Dalling, T., 927, 1079.
Damon, S. R., & Fagan, R., 285.
Danelius, G., 1905.
D'Angelo, E. See Boero, J. J., jt. author, 87.
Daniel, P. See Campbell, A. M. G., et al., jt. authors, 139.
Dann, F. P. See Frost, D. V., et al., jt. authors, 1469.
Danowski, T. S., Elkinton, J. R., & Winkler, A. W., 523.
Dantchakoff, V., 1928.
Dardillat, M., 1131.
Dargelos, R. See Mandoul, R., jt. author, 2170.
Das Gupta, B. M., & Sen, R. L., 865.
Daubney, R., 1021.
Dauzier, M. See Launoy, L., jt. author, 1497.
Davenport, H. A. See Lhotka, J. F., jt. author, 1925.
Davey, J. F., & Daley, D. E., 1233.
David, W., 280.
Davies, D. V., 142.
Davis, B. D. See Dubos, R. J., et al., jt. authors, 1165.
Davis, D. E., 956.
Davis, D. J., & Ewing, C. L., 1608.
Davis, J. E., & Fletcher, D. E., 1331.
Davison, W. F., 2083.
Day, F. T., & Rowlands, I. W., 152.
Dearborn, E. H., & Marshall, E. K., Jr., 574.
De Blieck, L. See under *B*.
De Boer, C. J. See under *B*.
Dechambre, L., 1192.
Decourt, P., & Schneider, J., 56.
Dedieu, P. See Lafenêtre, H., jt. author, 239.
von Dehn, M., 350, 351.
van Deinse, F., 271.
Delak, M., 1686.
Delarue, J., 2320.
Delbove, P., & Reynes, V., 268.
—. See also Reynes, V., jt. author, 2126.
Delpy, L. P., 307.
—, & Kaweh, M., 466, 1253.
—, & Rafyl, A., 1428.
Delpy, M. L. P., 337.
De Man, T. J. See under *M*.
De Moulin, F. See under *M*.
Dempsey, E. W., Bunting, H., & Wislocki, G. B., 1521.
—. See also Wislocki, G. B., jt. author, 2271.
Dennis, J. See Harbaugh, F. G., jt. author, 1820.
Deries, G. See Courmont, P., et al., jt. authors, 1162.
Deringer, M. D. See Heston, W. E., et al., jt. authors, 713.
Deringer, M. K., & Dunn, T. B., 121.
Derivaux, J. See Liègeois, F., jt. author, 1208.
Desbordes, J. See Paraf, J., et al., jt. authors, 1741.
Deschiens, R., 110, 408, 1187.
—, Jouan, C., & Lamy, L., 221.
Deterling, R. A., Jr., & Essex, H. E., 2310.
Dewar, A. D., Hall, K., & Newton, W. H., 160.
Dias, E., 44.
Dias, S. See Tropa, E., jt. author, 93.
Dias, V. S., & Tiexeira, O., 1070.
Dibble, G. D. See Belding, T. C., jt. author, 1865.
Dickinson, E. M., & Clark, W. G., 1932.
Di Maggio, C., 1565.
Dimock, W. W., 317.
—, Edwards, P. R., & Bruner, D. W., 2091.
Dinter, H. See Dinter, Z., jt. author, 1444.
Dinter, Z., & Dinter, H., 1444.
Dochez, A. R. See Mills, K. C., jt. author, 1793.
Dodd, F. H., & Foot, A. S., 1712.
Dodson, M. E., 2042.
Dole, V. P. See Lancefield, R. C., jt. author, 830.
Doležal, J., 2070.
Doll, E. R., & Hull, F. E., 103.
—. See also Bruner, D. W., et al., jt. authors, 1991.
Dolman, C. E., & Kerr, D. E., 289.
Donaldson, A. W., & Otto, G. F., 109.
Donatien, A., 497.
—, Lestoquard, F., Plantureux, E., & Gayot, G., 1285.
—, Plantureux, E., Rampon, L., & Gayot, G., 316.
Doneddu, C., 2143.
Donham, C. R. See Bunnell, D. E., et al., jt. authors, 1852.
Donovick, R., & Rake, G., 1163.
Doolittle, S. P. See Irvin, G. W., Jr., et al., jt. authors, 947.
Dormann, J., 761.
Doss, M. A. See Hassall, A., et al., jt. authors, 1029, 1030, 1031.
Dougherty, R. W. See Jones, I. R., et al., jt. authors, 379.
Downham, K. D., 401.
—, & Christie, G. J., 400.
—, Christie, G. J., & Hughes, D. L., 737.
Downie, A. W., & Dumbell, K. R., 1787.
Downs, C. M., Corieli, L. L., Chapman, S. S., & Klauber, A., 286.
Downs, W. G., 304.
Doyle, L. P., Cable, R. M., & Moses, H. E., 1484.
—, & Walkey, F. L., 543.
Doyle, T. M., 1409.
—, & Wright, E. C., 1288.
Draize, J. H., Woodard, G., & Calvery, H. O., 2313.
Drake, C. H., & Hall, E. R., 1948.
Draper, W. F., 984.
Dreosti, A. E., 1833.
Drežančić, I., 372.
Drieux, H., 920, 2008.
van Drimmelen, G. C., 1035.
Drobot'ko, V. G., Aizenman, B. E., Shvaiger, M. O., Fel'dshtein, R. G., & Chernysheva, P. S., 735.
Drysdale, A., 502.
Dubé, E., Dugal, L. P., & Royer, A., 1198.
Dubin, I. N., 1197.
—. See also Handler, P., jt. author, 380.
Dubois, A., 872.
Du Bois, K. P. See Byerrum, R. U., jt. author, 1128.
Dubos, R. J., 868.
—, Davis, B. D., Middlebrook, G., & Pierce, C., 1165.
—. See also Middlebrook, G., jt. author, 1042.
Duckworth, C. U., 1022, 1023, 1024.
Duckworth, J., & Rattray, G. B., 420.
—. See also, Warnock, G. M., jt. author, 600.
Dudley, F. J. See Temperton, H., jt. author, 1112, 1463.
—. See also Temperton, H., et al., jt. authors, 302.
Dugal, L.-P., & Thérien, M., 2097.
—. See also Dubé, E., et al., jt. authors, 1198.
Dukalov, I. A., 59.
Dumbell, K. R. See Downie, A. W., jt. author, 1787.
Dungal, N., 252.
Dunklin, E. W., & Puck, T. T., 1759.
Dunlop, G., 925.
Dunn, J. E., Dunn, R. C., & Smith, B. S., 578.
Dunn, R. C. See Dunn, J. E., et al., jt. authors, 578.
Dunn, T. B. See Deringer, M. K., jt. author, 121.
Duran-Jorda, F., 2269.
Durant, A. J., & McDougle, H. C., 659, 1810, 1989.
Durbeuil, G., 1225.
Durnford, C. M. P., 1017.
Durrell, W. B., 1534.
Dussert, E., 424.
Duthie, R. C., 1000.
Du Toit, P. J., 768.
Duvolon, S. See Roubaud, E., et al., jt. authors, 40.
—. See also Stéfanopoulo, G., et al., jt. authors, 41.
Dvornić, D., 1168.
Dybing, F. See Dybing, O., jt. author, 1140.
Dybing, O., & Dybing, F., 1140.
Dyrendahl, S., 748, 1121.

E

Eaton, H. D. See Norton, C. L., et al., jt. authors, 529.
Eberhardt, P., 799.
Ebert, R. H. See Vennesland, K., et al., jt. authors, 1667.
Ecker, E. E., Hiatt, C. W., & Barr, L. M., 1614.
Edel'shtein, I. A. See Kachanov, G. A., jt. author, 1570.
Edmonds, E. V., 1661.
Edward, D. G. H., 1003, 1758.
Edwards, P. R., & Bruner, D. W., 1571.
—, See also Bruner, D. W., jt. author, 1955.
—. See also Bruner, D. W., et al., jt. authors, 1991.
—. See also Dimock, W. W., et al., jt. authors, 2091.
Edwards, S. J., 720.
Eggert, R., 432.
Eisen, H. N. See Stoerk, H. C., et al., jt. authors, 2204.
Eklund, H. W. See Lamanna, C., et al., jt. authors, 675.
Ekwall, 503.
Elberg, S. See Glassman, H. N., jt. author, 473.
—. See also Kaplan, A. M., jt. author, 469.
Elias, H., 611.
Elizalde, P. I., Itoiz, O. A., & Anchezar, B., 835.
—, Mouserrat, J. L., & Anchezar, B., 834.
Elkinton, J. R. See Danowski, T. S., et al., jt. authors, 523.
Ellinger, P., & Shattock, F. M., 136.
Ellis, G. H., Matrone, G., & Maynard, L. A., 2312.
—, & Thompson, J. F., 223.
Ellis, N. R. See Powick, W. C., et al., jt. authors, 1473.
Elrod, R. P. See Conn, H. J., jt. author, 2164.
Elsden, S. R., 768.
Eltorm, H., 709.
Elvehjem, C. A. See Cooperman, J. M., et al., jt. authors, 1122.
—. See also Newell, G. W., et al., jt. authors, 1633.
Emlen, J. T., Jr. See Richter, C. P., jt. author, 428
Ender, F., & Helgebostad, A., 1824.
Enders, J. F. See Pappenheimer, A. M., jt. author, 2020.
Endicott, K. M. See Ashburn, L. L., et al., jt. authors, 539.
Engel, L. L., & Randall, R., 66, 1076.
Engle, E. T., 1937.
Ensminger, M. E., Bowland, J. P., & Cunha, T. J., 1471.
Entessar, F. See Kaweh, M., jt. author, 2121.
Erastov, V. V. See Lebedev, N. A., jt. author, 846.
Erickson, T. C. See Newell, G. W., et al., jt. authors, 1633.
Eriksen, K. R., 1158.
Erkol, M., 2268.
Erlich, I., 331.
—. See also Mikačić, D., jt. author, 347.
—. See also Winterhalter, M., jt. author, 514.
Ernst, A. M., 197.
Errera, M., & Greenstein, J. P., 354.
Van Es, L., Olney, J. F., &Biere, I. C., 458.

Espe, D., 2265.
Essert, Z., 594.
Essex, H. E. See Deterling, R. A., Jr., jt. author, 2310.
Étévé, J. See Stéfanopoulo, G., jt. author, 37.
Evans, A. S., & Curnen, E. C., 1993.
Evans, B. See Wolman, I. J., et al., jt. authors, 792, 793.
Evans, D. G., 676, 1058.
Evans, F. R. See Curran, H. R., jt. author, 295.
Evans, H. M. See Nelson, M. M., et al., jt. authors, 1643.
Evans, S. T. See Bennetts, H. W., et al., jt. authors, 128, 129.
Evans, W. M. See Kiesel, G. K., et al., jt. authors, 1154.
Eveleth, D. F. See Goldsby, A. I., jt. author, 99.
Evelius, H. R., 1185.
Everist, S. L., 1143, 1144, 1145.
Ewing, C. L. See Davis, D. J., jt. author, 1608.

F

Fagan, R. See Damon, S. R., jt. author, 285.
Fåhraeus, R., 1148.
Fairbanks, B. W., Krider, J. L., & Carroll, W. E., 519, 1117.
Falco, E. A. See Hitchings, G. H., jt. author, 1827.
Fan, P. C. 149.
Farah, A. See Long, W. K., jt. author, 201.
Farkas, H., 2037.
Farkas, R. See Hindmarsh, W. L., jt. author, 2082.
Farr, M. M., & Jaquette, D. S., 2255.
—, & Wehr, E. E., 683.
—. See also Wehr, E. E., jt. author, 948.
Farrell, M. A. See Stone, R. W., jt. author, 782.
Faudhet-Sangaret. See Larrat, R., jt. author, 2162.
Faulkner, D., 812, 813.
Fawcett, D. W., Wislocki, G. B., & Waldo, C. M., 1370.
Fay, R. W. See Clapp, J. M., et al., jt. authors, 579.
Fed'ko, S. I., 1693.
Fedorov, S. V. See Kornienko, Z. P., jt. author, 1979.
Feenstra, E. S., & Thorp, F., Jr., 652.
Feiner, R. R., Meyer, K., & Steinberg, A., 293.
Feldberg, W., & Hebb, C., 2052.
Feldman, W. H., & Hinshaw, H. C., 176, 1406.
—, —, & Karlson, A. G., 1858.
Fel'dshtein, R. G. See Drobot'ko, V. G., et al., jt. authors, 735.
Felix, A. See Craigie, J., jt. author, 462.
Fellers, F. X. See Barnett, H. L., jt. author, 2103.
Felsenfeld, O., 463.
Feng, L. C. See Chung, H. L., jt. author, 334.
Fenner, F., 1621.
Fenstermacher, R., Pomeroy, B. S., & Malmquist, W. A., 321.
Ferguson, F. F., Arnold, E. H., & Upholt, W. M., 581.
Ferguson, M. See Crossley, V. M., et al., jt. authors, 509.
Ferguson, R. G., 265.
Ferin, J. See Schockaert, J. A., jt. author, 2087.
Ferjančić, M., 1545.
Ferrando, G., & Ferrari, A., 1718.
Ferrari, A. See Ferrando, G., jt. author, 1718.
Ferraro, A., & Roizin, L., 531.
Fiadeiro, J., 711.
Fidler, C. E., 840.
Field, E. J., & Harrison, R. J., 2117.
Fiennes, R. N., 296, 298.
Figge, F. H. J., 919.
Fildes, P., 1422.
Filion, R., 1343.
Filmer, D. B. See Whitten, L. K., jt. author, 2230.
Filmer, J. F., 993.
Fincher, M. G. See Johnson, S. D., jt. author, 566.
Findlay, G. M., Hardwicke, J., & Phelps, A. J., 1869.
Finn, S., Korns, R. F., & Bahlke, A. M., 1610.
Fiorio, C., 1056.
Fischel, E. E., & Kabat, E. A., 1088.
Fish, E. W. See Fleming, A., jt. author, 1155.
Fishwick, V. C., 1027.
Fitch, J. B. See Gullickson, T. W., jt. author, 385.
Fitzgerald, R. J., & Bernheim, F., 2033.
Fleming, A., & Fish, E. W., 1155.
Fletcher, D. E. See Davis, J. E., jt. author, 1331.
Fleury, O. See Launoy, L., jt. author, 1174.
Florent, A., 880.
—, & Willems, R., 2169.
Florentin, P. See Bourdelle, E., et al., jt. authors, 443.
Florey, M. E., Ross, R. W. N. L., & Turton, E. C., 754.
Florio, R., Brizard, A., & Ladrat, J., 19.
Florman, A. L., 1990, 1999.
—, Weiss, A. B., & Council, F. E., 743.
Floyd, C. See Kropp, G. V., jt. author, 1561.
Flückiger, G., 821.
Fodden, J. H., & Rhodes, A. J., 1081.
Folley, S. J., & Greenbaum, A. L., 1540.
—. See also Cowie, A. T., jt. author, 143, 963, 964.
Fontaine, J., 1709.
Fontaine, T. D. See Irvin, G. W., Jr., et al., jt. authors, 947.
Foot, A. S., 203.
—. See also Dodd, F. H., jt. author, 1712.
Forgacs, J., & Kucera, J. L., 403.
Foster-Carter, A. F., & Hoyle, C., 1517.
Fourie, J. M., 30.
Fourie, P. J., 2005.
Fournier, L. L., 1322.
Fouts, E. L., & Freeman, T. R., 2102.
Fowler, C. B. See Cohen, S. S., jt. author, 2201.
Fradinho, R., 1529.
Francis, J., 170, 234, 1150, 1860.
Francis, T., Jr., 698.
Frank, J. F., 1976.
Franks, M. B., 107.
Franklin, M. C., Gordon, H. McL., & Macgregor, C. H., 101.
—. See also Carter, H. B., et al., jt. authors, 102.
Frantz, V. K., 1219.
Freak, M. J. See Joshua, J. O., jt. author, 1663.
Frederiksen, E. See Jensen, K. A., et al., jt. authors, 1496.
Freed, A. M. See Weswig, P. H., et al., jt. authors, 1341.
Freeman, T. R. See Fouts, E. L., jt. author, 2102.
Frei, W., 559, 973.
Freixa, P. See Bessis, M., jt. author, 508.
Frey, P. R. See Jensen, R., et al., jt. authors, 2247.
Frieden, E. H., 171.
Fritzsche, K., 340.
Frobisher, M., Jr. See Parsons, E. I., et al., jt. authors, 1461.
Frost, D. V., Dann, F. P., & McIntire, F. C., 1469.
Fuller, A. T., 1843.
Fuller, M. E. See Waterhouse, D. F., jt. author, 1679.
Fulton, C. O. See Trussell, P. C., et al., jt. authors, 2035.
Funke, A. See Lwoff, M., et al., jt. authors, 1498.
Furman, D. P. See Reeves, W. C., et al., jt. authors, 2184.
Furnari, S., 1740.
Furuta, W. J., 974.

G

Gaalaas, R. F., 2094.
Gaase, A., 106.
Gabe, M., 1241.
Gabrio, B. W. See Salomon, K., et al., jt. authors, 1371.
Gaddum, J. H., 1659.
—. See also Cameron, G. R., et al., jt. authors, 1336.
Gaede, 1372.
Gaĭskiĭ, N. A., 1298.
Gall, L. S., 679.
Gallard, P. See Lagneau, F., jt. author, 1142.
Gallasch, B. G. See Crossmon, G., jt. author, 1721.
Galley, R. A. E. See Gimingham, C. T., jt. author, 1183.
Gannushkin, M. S., 1077.
Garcia, G. M., 1518.
Gard, S., 11, 1443.
Gardère, H. See Courmont, P., et al., jt. authors, 1162.
Gardner, A. D., 1006.
Gardner, W. U., 353.
Garm, O., 2047.
Garrard, E. H., Burton, W. H., Carpenter, J. A., & McDermott, L. A., 1271.
—, McDermott, L. A., Burton, W. H., & Carpenter, J. A., 1270.
—. See also Carpenter, J. A., et al., jt. authors, 2144.
Garven, H. S. D., 1306.
Gaschen, H., 84, 85.
Gastinel, P., & Nevot, A., 269.
Gaud, J. See Joyeux, C., jt. author, 100, 346.
Gauducheau, A., 1231.
Gause, G. F., 731.
Gayot, G. See Donatien, A., et al., jt. authors, 316, 1285.
Geiger, W. B. See Waksman, S. A., et al., jt. authors, 174.
Geiling, E. M. K. See Oldham, F. K., et al., jt. authors, 573.
—. See also Schueler, F. W., et al., jt. authors, 1350.
Gellerstedt, N., 648.
Genest, P., 842.
George, M. See Pandalai, K. M., jt. author, 1156.
Gerasimova, P. N. See Sarkisov, A. K., et al., jt. authors, 1657.
Gerber, I. E., & Gross, M., 647.
Gerhardt, P., 28.
German, V. A., 1212, 1213.
Gerring, J. C., 1066.
Gerritsen, H. J., 2238.
Gerry, R. W., Carrick, C. W., Roberts, R. E., & Hauge, S. M., 1107.
Gershoff, S. N. See Newell, G. W., et al., jt. authors, 1633.
Gerundo, M., 179.
Getty, R., 2246.
Ghosh, S. M. See Wu, C. C., et al., jt. authors, 954.
Giesecke, F., 1525.
Gifford, R., & Jungherr, E., 1157.
Gilbert, & Avelange, 1503.
Gilchrist, M. See King, E. J., jt. author, 1214.
Gill, D. A., & Parrish, E., 2107.
Gill, G. H., 2114.
Gillie, G. W., 1766.
Gilliver, K. See Abraham, E. P., et al., jt. authors, 2.
Gilmour, D., 1681.
Gilson, W. E. See Newell, G. W., et al., jt. authors, 1633.
Gimingham, C. T., & Galley, R. A. E., 1183.
Ginder, D. R. See Sabin, A. B., et al., jt. authors, 1596, 1597.
Gingrich, W., Schoch, E. W., Schwab, M., & Shepherd, C. C., 1179.
Ginsburg, N. See Kopylov, N., jt. author, 1941.
de Giorgio, A., 1075.
Giovanella, R. See Schmid, G., jt. author, 867.
Giovanni, S., 1395.
Gióvine, N., Rangel, N., Machado, A. V., Lamounier, R. D., & Wilwerth, A., 31.
Girard, H., & Charitat, M., 1775.
Girard, O. See Lemétayer, E., et al., jt. authors, 901, 902.
Giroux, M., 571.
Giroud, M.-L. See Giroud, P., et al., jt. authors, 1004.
Giroud, P., Giroud, L., & Meunier, M., 1004.
Gisske, W., 206.
Gladstone, G. P., 1554.

Glässer, 67, 461, 1412.
Glaessner, K., 118.
Glantz, P. J. See Thorp, W. T. S., et al., jt. authors, 1974.
Glanville, W. H., 811.
Glassman, H. N., & Elberg, S., 473.
Glazener, E. W., & Jull, M. A., 1482.
Gleiser, C. A. See Yager, R. H., jt. author, 405.
Glenny, A. T. See Barr, M., jt. author, 1301.
—. See also Batty, I., jt. author, 288.
Godfrain, 1149.
Godfrey, G. F., 605.
Goerttler, V., 360, 362, 363.
Götze, 712.
Götze, R., 361.
Goldberg, D. I., 2257.
Goldie, H., 2298.
Goldsby, A. I., & Eveleth, D. F., 99.
Goldsmit, L. See Komarov, A., jt. author, 897.
Golikov, N. N., 1067, 1072.
Golub, O. J., & Wagner, J. C., 1786, 2197, 2198.
Gomes, A. See Vogel, J., jt. author, 425.
Gomori, G., 1880.
Goobar, J. K. See Savino, E., jt. author, 277.
Goodell, J. P. B. See Sheppard, C. W., et al., jt. authors, 1822.
Goodhue, L. D. See Latta, R., jt. author, 1201.
Goodwin, L. G. See Brownlee, G., et al., jt. authors, 1349.
Gopalakrishnan, V. R., 315, 2189.
Gordeuk, S., Jr. See Thorp, W. T. S., et al., jt. authors, 1974.
Gordon, H. McL., 2229.
—. See also Carter, H. B., et al., jt. authors, 102.
—. See also Franklin, M. C., et al., jt. authors, 101.
Gordon, J., McLeod, J. W., Mayr-Harting, A., Orr, J. W., & Zinnemann, K., 1874.
Gordon, R. F., & Asplin, F. D., 323.
Gordon, R. M. See Unsworth, K., jt. author, 2002.
Goret, P., & Méry, F., 693.
—, —, Lamouroux, J., & Lebeau, A., 1441.
—, & Yvore, G., 893.
Gormsen, H. See Bjørneboe, M., et al., jt. authors, 507.
Gouck, H. K., & Smith, C. N., 2217.
—. See also Smith, C. N., jt. author, 2219.
Gougerot, L., 248.
Gould, G. N., 768.
Grabar, J., & Bonnefoi, A., 668.
—. See also Bonnefoi, A., jt. author, 667.
Grady, H. G. See Stewart, H. L., et al., jt. authors, 349.
Graessle, O. See Seeler, A. O., et al., jt. authors, 576.
Gräub, E., Zschokke, W., & Saxer, E., 454.
Graf, H. See Bekker, P. M., jt. author, 88.
Graf, L. H. See Weissman, N., jt. author, 10.
Grant, G. A. See Trussell, P. C., et al., jt. authors, 2035.
Grashuis, J. See De Man, Th. J., jt. author, 1468.
Gratzl, E., 2301.
Grau, H., 125.
Grayson, A. R., 1415, 1959.
Greaves, E. O. See Greaves, J. E., jt. author, 447.
Greaves, J. E., & Greaves, E. O., 447.
Greaves, R. I. N., 1929.
Grechka, M. K., 2287.
Greco, A. See Maver, M. E., et al., jt. authors, 515.
Green, H. H., 167.
Green, J. B. M., & Penfold, J. B., 426.
Green, R. G., 1779.
Greenhaum, A. L. See Folley, S. J., jt. author, 1540.
Greenspan, F. S. See Schechmeister, I. L., jt. author, 1514.
Greenstein, J. P. See Errera, M., jt. author, 354.
Greenwood, A. W., & Peacock, P. R., 1809.
Gregg, D. E., 2267.
Gregory, R. A., 1508.
Grenier, P., 336.
Greval, S. D. S., & Bhaduri, P. N., 1656.
Grey, C. G., 1051, 1262.
Gribanov, V. N., 465.
—, & Smirnov, I. A., 744.
Griffin, J. R. See Shanahan, R. H., et al., jt. authors, 1398.
Grinnels, C. D. See Matrone, G., et al., jt. authors, 972.
Gross, M. See Gerber, I. E., jt. author, 647.
Gross, W. O., 74
Grossberg, D. B. See Pillemer, L., et al., jt. authors, 1277.
Grosso, A. M., Prieto, C., & Strobino, L. E., 104.
Groulx, A., 979.
Grubb, T. C., Miesse, M. L., & Peutzer, B., 490.
Grüneberg, H., 1025.
Grünigen, F. v., Keller, K., & Pulver, H., 1823.
Grzycki, S., 1307.
Gudme, N., 688.
Günter, E., 553.
Guérin, P. See Sannié, C., et al., jt. authors, 1457.
Guggenheim, K., & Buechler, E., 710.
—. See also Kligler, I. J., et al., jt. authors, 2096.
Guilhon, J., 2006, 2039.
—, & Pouget, J., 2044.
Guimarães, L. M. See Araujo, T. L., jt. author, 111.
Guiteras, A. F., & Shapiro, R. L., 1876.
Gullickson, T. W., & Calverley, C. E., 1115.
—, & Fitch, J. B., 385.
Gunn, J. A., 1705.
Gunn, W., 990.
Gunning, O. V., 1755.
Gunnison, J. B. See Lazarus, A. E., jt. author, 1951.
Gustafson, W. E., 1330.
Gusynin, I. A., 1141.
Gutmann, H. See Bodansky, O., jt. author, 1194.
Guy, E. L. See Baker, W. C., et al., jt. authors, 583.
Gyarmati, F., 892.
Gwatkin, R., 1572.
Gyatmati, E., 376.

H

Haag, J. R. See Jones, I. R., et al., jt. authors, 379.
—. See also Weswig, P. H., et al., jt. authors, 1341.
Habel, K. See Olson, B. J., et al., jt. authors, 644.
Habermann, R. T., & Carlson, F. N., 195.
Habert, H. See Jacquet, J., jt. author, 932.
Haddow, A., & Rudall, K. M., 1202.
Hadley, P., & Wetzel, V., 452.
Hagedoorn, A. L., Verlinde, J. O., & Hagedoorn-Vorstheuvel La Brand, A. C., 1237.
Hagedoorn-Vorstheuvel La Brand, A. C. See Hagedoorn, A. L., et al., jt. authors, 1237.
Hahn, P. F. See Sheppard, C. W., et al., jt. authors, 1822.
Halbert, S. P. See Herdegen, M., et al., jt. authors, 851.
Halcrow, R. G., 1699.
Hale, J. H., 637.
Hales, H. B. See Tager, M., jt. author, 1550.
Hall, E. R. See Drake, C. H., jt. author, 1948.
Hall, K., 609.
—. See also Dewar, A. D., et al., jt. authors, 160.
Hall, M., 1548.
Hall, N. M. See Turner, C. W., et al., jt. authors, 2016.
Hall, O., 613.
Hall, W. J., MacDonald, A. D., & Legenhausen, D. H., 1957.
Hamburger, C., 601.
Hamill, J. M., 802.
Hammon, W. McD., Mack, W. N., & Reeves, W. C., 1448.
—. See also Reeves, W. C., et al., jt. authors, 2184.
Hammond, J., 2090.
Hancock, J. L., 1906.
Hancock, R. C. G., 1250.
Handler, P., & Dubin, L. N., 380.
Hanke, M. E., & Bailey, J. H., 1060, 2153.
Hansen, A. C., 1054.
Hansen, E., 1368.
Hansen, S. H. See Jespersen, J., et al., jt. authors, 2080.
Hanson, J., 1363.
Hanson, R. P., Winslow, N. S., & Brandly, C. A., 696.
—. See also Brandly, C. A., et al., jt. authors, 896.
Hansson, A. See Bonnier, G., jt. author, 1903.
—. See also Johansson, I., jt. author, 364.
Harbaugh, F. G., & Dennis, J., 1820.
Harbour, H. E. See Jamieson, S., jt. author, 999.
Hardenbrook, H., Jr. See Rhoades, H. E., jt. author, 2155.
Hardt, O., 2206.
Hardwicke, J. See Findlay, G. M., et al., jt. authors, 1869.
Hardy, M. H. See Bolliger, A., jt. author, 1206.
Hare, R., 990.
—, & Curl, M., 1436.
—, —, & McClelland, L., 506.
—, & Mackenzie, D. M., 505.
Hare, T., 1628.
Haring, C. M., & Traum, J., 854.
—, —, & Maderious, W. E., 672.
Harley, R. See Bennetts, H. W., et al., jt. authors, 128, 129.
Harmsen, G. W., & Kolff, W. J., 1717.
Harper, C. See Andrews, F. N., et al., jt. authors, 1480.
Harper, G. J. See Williams, R. E. O., jt. author, 1736.
Harris, A. N. A., 1580.
Harris, H. A., 2272.
Harris, H. J., 1416.
Harris, J. S., & Summers, W. A., 786.
Harris, L. E., 1151.
Harris, L. J., 2240.
Harrison, C. V., 2256.
Harrison, P. E., 1152.
Harrison, R. J. See Field, E. J., jt. author, 2117.
Harriss, S. T., 546.
—, Johnston, J. W., & Mitchell, S. G. A., 1811.
—. See also Baker, F., jt. author, 2060.
Harrow, B., 1243.
Hart, L., 1581.
Hartridge, H., 1877, 1878.
Harvey, W. C., & Hill, H., 1248.
Harwood, F. C., 990.
Hashmi, Z. A. See Iyer, S. G., jt. author, 951, 2236.
Hassall, A., Doss, M. A., Segal, D. B., & Carson, G. B., 1029.
—, —, —, —, & Ray, D. H., 1030.
—, —, —, & Ray, D. H., 1031.
Hasson, E. V. See Bartlett, D. E., et al., jt. authors, 1761.
Hastings, C. C., 542.
Hathaway, C. R., 82.
Hauduroy, P., Bouvier, G., & Rosset, W., 13.
—, & Rosset, W., 1258.
Hauge, S. M. See Gerry, R. W., et al., jt. authors, 1107.
Hausam, W., Schnegg, R., & Schindler, T., 1513.
Hawking, F., 681.
Hawn, C. van L., & Janeway, C. A., 1086.
Hayes, W., 1269, 1574.
Hays, F. A., 164.
Hazel, L. N. See Terrill, C. E., jt. author, 391.
Heath, G. B. S., 341.
Hebb, C. See Feldberg, W., jt. author, 2052.
Hechter, O., 969.
Heckly, R. J. See Watson, D. W., et al., jt. authors, 8.
Hedenstedt, S., & Naeslund, J., 1221.
Hedström, H., 254, 1603.
Hegre, E. S., & Brashear, A. D., 220.
Hegsted, D. M., Kent, V., Tsongas, A. G., & Stare, F. J., 1812.
Heinemann, B., 1914.
Heinrichs, D. H., & Anderson, L. J., 1340.

Helgebostad, A. See Ender, F., jt. author, 1824.
Helson, V. A. See Stevenson, J. W., et al., jt. authors, 1750.
Hempler, P., 1229.
Hendee, E. D. See Adams, M. H., et al., jt. authors, 1059.
Henderson, J. A., 1323.
Henderson, W. M., 1434.
Henke, L. A. See Willett, E. L., et al., jt. authors, 1104.
Henle, G. See Henle, W., jt. author, 2179.
Henle, W., & Henle, G., 2179.
Henning, M. W., & McIntosh, B. M., 662.
Henricson, T. See Hülphers, G., et al., jt. authors, 2022, 2023, 2024, 2025, 2026.
Henriksen, S. D. See Svendsen, M., et al., jt. authors, 1947.
Henry, J. See Levaditi, C., jt. author, 1859.
Henry, M., 434.
Henry, R. J. See Berkman, S., et al., jt. authors, 739.
Hérault, M., 1688.
Herbert, D., & Todd, E. W., 5.
Herbst, E. J. See McCullough, W. G., et al., jt. authors, 468.
Herdegen, M., Halbert, S. P., & Mudd, S., 851.
Herman, C. M., 1710.
Hermansson, K. A., 1714.
Hernánz, M., 1754.
Herschel, A., 1476.
Hershey, A. L., 727.
Hertz, R., 1472.
Hertzberg, G., 501.
Hess, E. See Ammann, K., jt. author, 1050.
Heston, W. E., 394.
—, Larsen, C. D., & Deringer, M. D., 713.
Heuner, H., 1533.
Heuser, G. F. See Scott, M. L., et al., jt. authors, 1125.
Heys, F. M. See Smith, M. G., et al., jt. authors, 1769.
Heywang, B. W., 524.
Hiatt, C. W. See Ecker, E. E., et al., jt. authors, 1614.
Hibbs, J. W., & Krauss, W. E., 1356.
—, —, Monroe, C. F., & Sutton, T. S., 530.
Hickin, N. E., 192.
Hickman, J., 2074, 2076.
Hiddema, W., 1236.
Highet, D. R. See Jennings, A. R., jt. author, 1130.
Highman, B., 2306.
Hill, E. V. See Lewis, K. H., jt. author, 287.
Hill, H. See Harvey, W. C., jt. author, 1248.
Hill, J. L., 1713.
Hillermark, K., 1401.
Hillesund, C. M., 778.
Hilmy, N. See Wahby, A. M., jt. author, 2120.
Himsworth, H. P., 1103.
Hindmarsh, 1001.
Hindmarsh, W. L., 568.
—, & Farkas, R., 2082.
Hinshaw, H. C. See Feldman, W. H., jt. author, 176, 1406.
—. See also Feldman, W. H., et al., jt. authors, 1858.
Hinshaw, W. R., & McNeil, E., 1956.
—. See also McNeil, E., jt. author, 1491.
Hipólito, O. See Lamounier, R. D., jt. author, 1255.
Hirsch, A. See Mattick, A. T. R., et al., jt. authors, 1169.
Hirst, G. K., 1437, 1595.
Hisaw, F. L., 1224.
Hitchings, G. H., & Falco, E. A., 1827.
Ho, C. L., 2161.
—. See also Cheng, S. C., jt. author, 2160.
Ho, E. A., Chu, H. J., & Yuan, L. C., 876.
Hobday, J., 807.
Hodgdon, A. R. See Waller, E. F., et al., jt. authors, 939.
Hódosy, J., & Murányi, F., 276.
Hoekstra, J., 409.
Hofferd, R. M., 368.
Hoffman, H. A., Jones, E. E., & Stover, D. E., 22.
Hoffman, J. See van den Berghe, L., jt. author, 290.
Hoflund, S., 928.
Hofstad, M. S., 322, 2196.
Hogg, A. H., 545.
Hohorst, W., 333.
Holden, H. F., 2314.
Hole, N. H., & Markson, L. M., 516.
Holgate, M. See Ritchie, J. M., et al., jt. authors, 450.
Hollande, A. C., 178.
Hollander, F., Sonnenblick, B. P., & Sober, H. A., 1218.
Holm, J., 249.
Holmberg, C. G., & Winblad, S., 451.
Holmdahl, D. E., 1316.
Holmes, A. D., & Jones, C. P., 1373.
—, Spelman, A. F., Smith, C. T., & Kuzmeski, J. W., 1209.
Holmes, J. W. H., 730.
Holstein, G. See Ramon, G., et al., jt. authors, 2118.
Holt, A. F., 1698.
Holz, K., 62, 2177.
Hopkins, G. H. E., 1304.
Hoppe, F. G., 943.
Horning, E. S., 115.
Horsfall, F. L., Jr., & McCarty, M., 1080.
—. See also Curnen, E. C., et al., jt. authors, 894.
—. See also Volkert, M., jt. author, 895, 1442.
Horton Smith, C., 1071, 1177.
Hoskins, W. M. See Loeffler, E. S., jt. author, 1870.
Housewright, R. D. See Berkman, S., et al., jt. authors, 739.
Howe, C. See de Burgh, P. M., et al., jt. authors, 1997.
Howell, A., 1302.
Hoyle, C. See Foster-Carter, A. F., jt. author, 1517.
Hoyt, H. H. See Brandly, C. A., et al., jt. authors, 896.
Hrudka, F., 2027.
Hsiung, C. T. See Shian, P. P., jt. author, 1005.
Hubbs, J. C., 1838.
Huddleson, I. F., 1749.
Hudson, C. B. See Beaudette, F. R., jt. author, 1770.
Huebner, R. J., Stamps, P., & Armstrong, C., 699.
Hülphers, G., & Lilleengen, K., 829.
—, —, & Henricson, T., 2022, 2023, 2024, 2025, 2026.
—. See also Brandt, O., jt. author, 982.
Huff, C. G., & Coulston, F., 1764.
Hufford, V. See Steinberg, B., jt. author, 1369.
Huggett, A. St. G., 127.
Huggins, C., 921.
Hughes, D. L. See Downham, K. O., et al., jt. authors, 737.
Hughes, E. S. R., 1195.
Hughes, L. E. See Steinhaus, E. A., jt. author, 486.
Hull, F. E., 1234.
—. See also Doll, E. R., jt. author, 103.
Hummelinck, P. W., 344.
Humphreys, F. A., 1799.
—, & Campbell, A. G., 541.
van der Hurk, F. G. W. See Jansen, J., jt. author, 1743.
Huston, P. D., 809.
—. See also King, B. L., jt. author, 808.
Hutchings, L. M., 855.
—. See also Bunnell, D. E., et al., jt. authors, 1852.
Hutson, L. R., 817.
Hutt, F. B., & Cole, R. K., 707.
Hynek, B., 1700.

I

Ikejiani, O., & Mautner, L. S., 572.
Illg, P. L. See Seeberg, V. P., et al., jt. authors, 1153.
Inglis, J. S. S., & Robertson, A., 616.
Innes, J. R. M. See Campbell, A. M. G., et al., jt. authors, 139.
Ionov, P. S., 1840.
Irons, F. See Stage, H. H., jt. author, 1678.
Irvin, G. W., Jr., Fontaine, T. D., & Doolittle, S. P., 947.
Irving, J. T., 1137.
Isa, J. M. See Savage, A., jt. author, 1592.
Isaenko, E. P., & Vasil'chenko, I. V., 460.
Isaksson, A., 914, 1357, 1650.
Ishukov, G. K., & Ishukova, F. A., 2004.
Ishukova, F. A. See Ishukov, G. K., jt. author, 2004.
Isnard, J. P., 1967.
Itoiz, O. A. See Elizalde, P. I., et al., jt. authors, 835.
Ivanov, P. A., Pogorelyĭ, A. I., & Kolomiets, Y. S., 404.
Ivy, A. C., 1315.
—, & Cooke, A., 123.
Iyer, S. G., & Hashmi, Z. A., 951, 2236.
—, & Mukherjee, R., 1470.
Izzo, R. A., & Cicardo, V. H., 1261.

J

Jackson, E. B. See Smadel, J. E., jt. author, 1868.
Jacob, L. See Lemétayer, E., et al., jt. authors, 901, 902.
Jacobs, L., 1585.
Jacotot, H., 1784.
Jacquet, J., & Habert, H., 932.
Jakšic, B. Z. See Peršić, V., jt. author, 691.
James, L. E. See Couch, J. R., et al., jt. authors, 1321.
James, W. H. See Swift, R. W., et al., jt. authors, 1459.
Jamieson, S., 499.
—, & Harbour, H. E., 999.
—, & Soltys, M. A., 657.
Janeček, A., 723.
Janeček, F., 247.
Janeway, C. A. See Hawn, C. van L., jt. author, 1086.
Janjatović, M., 666.
Jann, G. J. See Salle, A. J., jt. author, 732.
Jansen, J., 1744, 1969.
—, & van den Hurk, F. G. W., 1743.
—, & Peperkamp, C. W. A. N., 654, 1134.
—. See also de Blieck, L., jt. author, 653.
—. See also Peperkamp, C. W. A. N., jt. author, 2139.
Janz, G. J. See Ribeiro, J. M., jt. author, 130.
Jaquette, D. S. See Farr, M. M., jt. author, 2255.
Jasmin, A. M., 1579.
Jasper, D. E. See Boyd, W. L., et al., jt. authors, 915.
Jean-Blain, M., 2081.
Jennings, A. R., & Highet, D. R., 1130.
Jennings, I. W., 564.
Jennison, M. H. See Briggs, G. O. A., jt. author, 2134.
Jensen, C. C., 617, 619, 620.
Jensen, H., 2046.
Jensen, K. A., Frederiksen, E., & Klaer, I., 1496.
—, & Jepsen, A., 1493.
Jensen, R., Frey, P. R., Cross, F., & Connell, W. E., 2247.
Jensenius, H., & Nørgaard, F., 533.
Jepsen, A. See Jensen, K. A., jt. author, 1493.
Jéquier-Doge, E. See Chapuis, J. P., jt. author, 678.
Jerlov, S., 205.
Jersild, M., 472.
Jespersen, J., Hansen, S. H., & Skovgaard, H. G., 2080.
Johannsen, A., 1600.
Johansson, I., & Hansson, A., 364.
Johlin, J. M., 1737.
John, H. M. See Stoerk, H. C., et al., jt. authors, 2204.
Johns, C. K., & Pritchard, H. V., 1689.
Johnson, A. F., 2101.
Johnson, H. W., 457.
Johnson, J. G., 1973.
Johnson, R. E. See Silver, M. L., et al., jt. authors, 1632.
Johnson, S. D., & Fincher, M. G., 566.
—, & Roberts, S. J., 1660.
Johnston, J. W. See Harriss, S. T., et al., jt. authors, 1811.
Johnston, T. H., 2221.
Jonas, S., 1781.
Jones, C. P. See Holmes, A. D., jt. author, 1373.
Jones, D., & Schatz, A., 2000.

Jones, E. E. See Hoffman, H. A., et al., jt. authors, 22.
Jones, I. R., Dougherty, R. W., & Haag, J. R., 379.
Jope, E. M., 144.
Jørgensen, G., 597.
Jørgensen, J. See Bendixen, H. C., jt. author, 853.
Joseph, J., 1520.
Joshua, J. O., & Freak, M. J., 1663.
Josić, M., 764.
Josland, S. W., 1267.
Jouan, C. See Deschiens, R., et al., jt. authors, 221.
Jovanovits, J., 166.
Joyeux, C., & Gaud, J., 100, 346.
Julianelle, L. A. See Siegel, M., et al., jt. authors, 182.
Jull, M. A. See Glazener, E. W., jt. author, 1482.
Jungherr, E., & Matterson, L. D., 2252.
—, & Terrell, N., 494.
—. See also Gifford, R., jt. author, 1157.
Junqueira, L. C. U., & Martins, E. O., 826.
Jurado, F. R., 885.

K

v. d. Kaay, F. C., 390.
Kabat, E. A., Bendich, A., & Bezer, A. E., 79.
—, & Bezer, A. E., 78.
—, Wolf, A., & Bezer, A., 1294.
—. See also Bendich, A., et al., jt. author, 80.
—. See also Fischel, E. E., jt. author, 1088.
Kachanov, G. A., & Edel'shteĭn, I. A., 1570.
Kämpe, A., 1396.
Kaiser, M. E. See Loew, E. R., et al., jt. authors, 1189, 1506.
Kampe, A., 1074.
Kanagratnam, N. See Marsh, T. D., jt. author, 1625.
Kane, G. J., & Lowndes, K. M., 1522, 1523.
Kaplan, A. M., & Elberg, S., 469.
Kaplan, M. M., & Sakellariou, S., 1453.
Kar, A. B., 1235.
Karel, L. See Weston, R. E., jt. author, 1834.
Kark, R. M. See Silver, M. L., et al., jt. authors, 1632.
Karkadinovskaya, I. A. See Poltev, V. I., jt. author, 1960.
Karlson, A. G. See Boyd, W. L., et al., jt. authors, 915.
—. See also Feldman, W. H., et al., jt. authors, 1858.
—. See also Lacroix, L. J., et al., jt. authors, 2158.
—. See also Youmans, G. P., jt. author, 570.
Karlsson, K-F., 1408.
—. See also Sandstedt, H., et al., jt. authors, 1640.
Karr, H. V. See Siegel, M., et al., jt. authors, 182.
Kauffmann, F., 669, 1055, 1414.
—, & Vahlne, G., 1954.
Kaweh, M., & Entessar, F., 2121.
—. See also Delpy, L. P., jt. author, 466, 1253.
Kay, M. W., 1975.
Kedrov, V. K., & Likhachev, A. N., 2282.
Keener, H. A. See Teeri, A. E., et al., jt. authors, 1215.
Keenere, H. A., Percival, G. P., & Morrow, K. S., 2237.
Keller, K. See Grünigen, F. v., et al., jt. authors, 1823.
Kelly, T. A. See Nutini, L. G., et al., jt. authors, 639.
Kelman, A. C. See Porter, J. J., jt. author, 1492.
Kelner, A., & Morton, H. E., 2262.
Kelsey, F. E. See Oldham, F. K., et al., jt. authors, 573
Kempster, H. L. See Turner, C. W., et al., jt. authors, 2016.
Kendall, F. E. See Steiner, A., jt. author, 538.
Kennard, D. C. See Bethke, R. M., et al., jt. authors, 1815, 1816, 1817.
Kennedy, A. H., 926.
Kenneth, J. H., 975.
Kent, V. See Hegsted, D. M., et al., jt. authors, 1812.
Kerr, D. E. See Dolman, C. E., jt. author, 289.
Kerr, R. W., 2209.
Kerr, W. R., & Rebertson, M., 877, 878, 879.
Kervran, P., 1966.
Khatenever, L. M., 20.
Khronopulo, N. P., 2285.
Kidd, A. A. See Barron, N. S., jt. author, 2254.
Kiddle, P., 1391.
Kieliger, F., 4, 153.
Kiesel, G. K., Morse, E. V., & Evans, W. M., 1154.
Kilchsperger, G., 470.
Kimbrough, C. See Baillif, R. N., jt. author, 1719.
King, B. L., & Huston, P. D., 808.
King, E. J., & Gilchrist, M., 1214.
King, H. D., 936.
Kingman, H. E. See Payne, M. G., jt. author, 1532.
Kingscote, A. A., 952.
Kingsland, L. C. See Rosebury, T., et al., jt. authors, 1512.
Kirby, A. H. M., & Peacock, P. R., 1808.
Kirby, H., 299, 1289.
Kirk, W. H., 422.
Kiser, J. S. See Bottorff, C. A., jt. author, 1170.
Kitchell, R. L., Cass, J. S., & Sautter, J. H., 1454.
Kjems, H., & Pedersen-Bjergaard, K., 770.
Klaer, I. See Jensen, K. A., et al., jt. authors, 1496.
Klarenbeek, A., 717.
Klauber, A. See Downs, C. M., et al., jt. authors, 286.
Klein, J. R. See Silver, M. L., et al., jt. authors, 1632.
Kligler, I. J., Guggenheim, K., & Schwartz, L., 2096.
Klimmer, R., 965.
Kling, K. G., 970.
Klotz, M. O. See Bird, S., et al., jt. authors, 1889.
Kluge, E. B. See du Toit, R., jt. author, 1798.
Klyne, W., 1032.
Kment, A. See Baumann, R., jt. author, 962.
Knaysi, G., 1423, 1424.
Knight, C. A., 886.
Knight, G. C., 422.
Knipschildt, H. E., 661.
Knodt, C. B. See Salisbury, G. W., jt. author, 1171.
Knowles, F. L., & Smith, C. S., 582.
Knowlton, A. I., Loeb, E. N., Stoerk, H. C., & Seegal, B. C., 1359.
Kobozieff, N., & Pomriaskinsky-Kobozieff, N. A., 445.
de Kock, G., 1988.
Kocylowski, B., 1311.
Köchli, O., 1327.
Koefoed, H., 882.
König. See Leuenberger, M., jt. author, 185.
Koffman, M., 330, 913.
Koger, M., & Turner, C. W., 393.
Kohl, K., 275.
Kolff, W. J., & Berk, H. T. J., 1922.
—. See also Harmsen, G. W., jt. author, 1717.
Kolomiets, Y. S. See Ivanov, P. A., et al., jt. authors, 404.
Komarov. See Yakovlev, et al., jt. authors, 1674.
Komarov, A., & Goldsmit, L., 897.
Komarov, N. I., 924, 942.
Kon, S. K., & Porter, J. W. G., 2063.
Kopylov, N., & Ginsburg, N., 1941.
Kornberg, A., 1636.
—. See also MrClure, F. J., jt. author, 1138.
Korneev, N. E. See Sarkisov, A. K., et al., jt. authors, 1657.
Kornienko, Z. P., & Fedorov, S. V., 1979.
—, & Shmyreva, M. K., 57.
Korns, R. F. See Finn, S., et al., jt. authors, 1610.
—. See also Zeissig, A., jt. author, 689.
Koroleva, V. P. See Sarkisov, A. K., et al., jt. authors, 1657.
Kosin, I. L., 2294.
Koulumies, R., 397.
Kovács, J., 604.
Kozenko, T. M. See Panysheva, L. V., jt. author, 2283.
Kozlova, V. M., 2288.
Kracke, R. R., 2323.
Krashnina, E. S. See Sarkisov, A. K., et al., jt. authors, 1657.
Krasil'nikov, N. A., 2050.
Krasin, D. A., 734.
Krastin, N. I., 1093.
Kraus, L., 16.
Krauss, W.E. See Hibbs, J. W., jt. author, 1356.
—. See also Hibbs, J. W., et al., jt. authors, 530.
Krediet, G., 773.
Kreis, B., & Renault, J., 1044.
Kret, A. See Verlinde, J. D., et al., jt. authors, 1033.
Krider, J. L. See Fairbanks, B. W., et al., jt. authors, 519, 1117.
Krimsky, I. See Racker, E., jt. author, 1439.
Krishnamurti, R., 2186.
Krishnaswami, A. K. See Puri, I. M., jt. author, 1670, 1672.
Kristensen, M., 843, 844, 845.
Khronopulo, N. P., 1900.
Kropp, G. V., & Floyd, C., 1561.
Krüger, F., 224.
Krusé, C. W., & Metcalf, R. L., 1200.
Kucera, J. L. See Forgacs, J., jt. author, 403.
Kudryavtsev, A. A., 1216.
Kuncaitis, J. See Schmid, G., jt. author, 836.
Kunst, H., 1007.
Kurapov, P. M., 1646.
Kurung, J. See Yegian, D., jt. author, 1259.
Kuzenck, A. See Olitzki, L., et al., jt. authors, 2199.
Kuzmeski, J. W. See Holmes, A. D., et al., jt. authors, 1209.
Kvapil, K. See Nižnánsky, F., jt. author, 1584.
Kwong, F. J., 864.
—, & Lee, C. T., 890.

L

Laake, E. W., 2215.
Laborie, R. See Ukrainszyk-Laborie, F., jt. author, 1205.
Labzoffsky, N. A., 1771.
Lacassagne, A., 352.
Lacroix, L. J., Riser, W. H., & Karlson, A. G., 2158.
Ladrat, J. See Florio, R., et al., jt. authors, 19.
Laemmert, H. W., de Costro Ferriera, L., & Taylor, R. M., 1295.
Lafenêtre, H., & Dedieu, P., 239.
Lagereva, M. G., 1505.
Lagneau, F., 474.
—, & Gallard, P., 1142.
—. See also Lesbouyries, G., jt. author, 1904.
Lagodsky, H. See Launoy, L., jt. author, 1971.
Laizet, G., 483.
Laktionov, A. M., 800.
Lall, H. K., 2243.
—, & Singh, K., 1402.
Lamanna, C., McElroy, O. E., & Eklund, H. W., 675.
Lambert, N. H., 1210.
Lamberton. See Buck, jt. author, 55.
Lamfrom, H. See van Wagtendonk, W. J., jt. author, 383.
Lamikhov, K. F., 1963.
Lamounier, R. D., & Hipólito, O., 1255.
—. See also Giovine, N., et al., jt. authors, 31.
Lamouroux, J. See Goret, P., et al., jt. authors, 1441.
Lamy, E. See Rossi, P., jt. author, 1652.
Lamy, L. See Deschiens, R., et al., jt. authors, 221.
Lancefield, R. C., & Dole, V. P., 830.
Landboe-Christensen, E., & Bohn, C. L. S., 2068.

Langdon-Davies, J., 1242.
Langridge, R. See Weitz, B., jt. author, 1047.
Larralde, R. W., 2122.
Larrat, R., & Faudhet-Sangaret, 2162.
Larsen, C. D. See Heston, W. E., et al., jt. authors, 713.
Larsen, L. H., & Bendixen, H. C., 61.
Larson, C. L. See Syverton, J. T., jt. author, 1782.
Lasker, S. See Wolman, I. J., et al., jt. authors, 792, 793.
Lasnier, E. P., & Cassinelli, J. F., 911.
Latarjet, R. See Luria, S. E., jt. author, 324.
Latta, R., & Goodhue, L. D., 1201.
Latven, A. R., & Welch, A. D., 2036.
Launoy, L., 1972.
—, & Dauzier, M., 1497.
—, & Fleury, O., 1174.
—, & Lagodsky, H., 1971.
Lawrence, D. A., 810, 1452, 1647.
Laws, S. G. See Randall, J. B., jt. author, 1499.
Lawson, A., & Rimington, C., 200.
Lawson, R. B., & Melnick, J. L., 75.
Lazarus, A. S., & Gunnison, J. B., 1951.
Leach, E. W., 1392.
Leake, E. W., & Bruce, W. G., 1186.
Learned, M. See Thorp, W. T. S., et al., jt. authors, 1974.
Lebeau, A. See Goret, P., et al., jt. authors, 1441.
Lebedev, N. A., & Erastov, V. V., 846.
Leckie, W. G., 1012.
Lederberg, J. See Tatum, E. L., jt. author, 1953.
Lee, 1001.
Lee, C. T. See Kwong, F. J., jt. author, 890.
Lee, H. F., & Stavitsky, A. B., 14.
Lee, H. J., & Moule, G. R., 2239.
Legenhausen, D. H. See Hall, W. J., et al., jt. authors, 1957.
Legg, J., 2213.
Lehmann, J., 180.
Leidy, G. See Alexander, H. E., jt. author, 1856, 1857.
Leiper, J. W. G., 2223.
Leitão, J. S., & Lina de Sousa, J. M., 89.
Lemétayer, E., Nicol, L., Jacob, L., Girard, O., & Corvazier, R., 901, 902.
Lenti, C., & Zambruno, D., 1583.
Lentz, R. W., 1329.
Lentz, W. J., 1440.
de León, J. P., & Peluffo, C. A., 21.
Leonard, C. S., 1426.
Leonard, S. L., 1536.
Lerena, E. A., 2142.
Lesbouyries, & Wiktor, T., 995.
Lesbouyries, G., & Lagneau, F., 1904.
Leschinskaya, E. N., 261.
Le Seac'h, G., 1325.
Lestoquard, F. See Donatien, A., et al., jt. authors, 1285.
Letard, E., 386, 1527, 1702.
Leuenberger, M., & König, 185.
Leuthold, 2200.
Leuthold, A., 1524.
Levaditi, C., & Henry, J., 1859.
—, & Vaisman, A., 173.
Levine, M., & Thomas, A. R., Jr., 1844.
Levine, P. P., & Barber, C. W., 303.
Lewandowski, T., & Stahly, G. L., 242.
Lewis, K. H., & Hill, E. V., 287.
Lewis, R. A. See Senekjie, H. A., jt. author, 47.
Lewis, S. H. See Brandly, C. A., et al., jt. authors, 896.
Lhotka, J. F., & Davenport, H. A., 1925.
Li, P., 1092.
Lide, T. N., 841.
Lidwell, O. M., 990.
Lieb, E., 2105.
Liègeois, F., & Derivaux, J., 1208.
Lienhart, R., 760.
Lightfoot, G., 435.
Likhachev, A. N. See Kedrov, V. K., jt. author, 2282.
Lilleengen, K., 1378.
—. See also Hülphers, G., jt. author, 829.
—. See also Hülphers, G., et al., jt. authors, 2022, 2023, 2024, 2025, 2026.
Lillie, M. G. See Reagan, R. L., et al., jt. authors, 1994.
Lillie, R. D., 2304.
—. See also Ashburn, L. L., et al., jt. authors, 539.
Lin, Y. C., 883.
Lina de Sousa, J. M. See Leitão, J. S., jt. author, 89.
Lindgren, S., & Walldén, L., 1519.
Lindquist, A. W. See McDuffie, W. C., et al., jt. authors, 1797.
Lindtner, M., 150.
Lines, 1001.
Lipmann, F. See Zamecnik, P. C., jt. author, 2154.
—. See also Zamecnik, P. C., et al., jt. authors, 1962.
Lisbonne, M., & Roman, G., 674.
Live, I., & Stubbs, E. L., 1748.
Lo, C.-S., 1644.
Lockley, R. P. See Carne, H. R., et al., jt. authors, 1078.
Loeb, E. N. See Knowlton, A. I., et al., jt. authors, 1359.
Loeffler, E. S., & Hoskins, W. M., 1870.
Loew, E. R., Kaiser, M. E., & Anderson, M., 1189.
—, —, & Moore, V., 1506.
Loewe, L., & Alture-Werber, E., 1487.
Logiudice, C. N., & Aranes, G. M., 752.
Loizelier, A. B., 847.
Løje, K., 124.
Lombard, C., & Benoit, J., 145.
Long, W. K., & Farah, A., 201.
Longley, E. O., 2309.
Loosli, J. K. See Norton, C. L., et al., jt. authors, 529.
—. See also Spielman, A. A., et al., jt. authors, 526, 527.
—. See also Willman, J. P., et al., jt. authors, 960.
Lorenz, E., & Stewart, H. L., 117.
—. See also Stewart, H. L., jt. author, 114.
Lorenz, F. W., & Bachman, G. H., 1537.
Lototzkiĭ, B. V., & Pokrovskiĭ, S. A., 1090.
Lotze, J. C., 1980, 2176.
Louis-Marie. See Panisset, M., jt. author, 1173.
Loustau, J. A. R. See Quevedo, J. M., Jr., et al., jt. authors, 488.
Loutit, J. F., 144.
Lovell, R., 561.
Low, A., 1386.
Low, R. C., 1789.
Lowe, H. J., 440.
Lowell, F. C., & Buckingham, M., 1794.
Lowndes, K. M. See Kane, G. J., jt. author, 1522, 1523.
Lubinski, H. H., & Portnuff, J. C., 1615.
Lucam, F., Tisseur, H., & Simintzis, G., 1319.
Lucas, C. C. See Ridout, J. H., et al., jt. authors, 1465.
Lucas, K. M., & Roberts, F. H. S., 338.
Ludford, R. J., 749.
Ludwig, R. G., & Nicholson, H. P., 585.
Lübke, A., 1098.
Lührs, E., 520.
Luke, D., 544.
Lundh, G. See Mellgren, J., jt. author, 374.
Lundquist, F. See Bjørneboe, M., et al., jt. authors, 507.
Luque, F. G., 475.
Luria, S. E., 828, 1970.
—, & Latarjet, R., 324.
Lusky, L. M. See Braun, H. A., et al., jt. authors, 1361.
Lwoff, M., Bovet, D., & Funke, A., 1498.
Lynch, E. M. See Nutini, L. G., jt. author, 1851.

M

Maas, 71.
MacÁllister, D. I., 1724.
McAuliff, J. L., 1490.
McBarron, E. J., 1826.
McCall, K. B. See Cooperman, J. M., et al., jt. authors, 1122.
MacCallum, F. O., 2194.
McCarter, J. C. See Youmans, G. P., jt. author, 742.
McCarty, M. See Horsfall, F. L., Jr., jt. author, 1080.
McClelland, L. See Hare, R., et al., jt. authors, 506.
McClung, L. S., & Toabe, R., 1061.
McClure, F. J., & Kornberg, A., 1138.
McClure, H. E. See Reeves, W. C., et al., jt. authors, 2184.
McClymont, A. G. See Wu, C. C., et al., jt. authors, 954.
McClymont, G. L., 1460.
Maccolini, R., 1413, 1568.
McCollum, E. V., & Becker, J. E., 2113.
—. See also Parsons, E. I., et al., jt. authors, 1461.
McCrea, J. F., 1594.
—. See also Burnet, F. M., jt. author, 1593.
—. See also Burnet, F. M., et al., jt. authors, 1790.
McCullough, W. G., Mills, R. C., Herbst, E. J., Roessler, W. G., & Brewer, C. R., 468.
McDermott, L. A. See Garrard, E. H., et al., jt. authors, 1270, 1271.
McDermott, W. See Tompsett, R., et al., jt. authors, 562.
McDiarmid, A., 1.
McDonagh, J. E. R., 448.
MacDonald, A. D. See Hall, W. J., et al., jt. authors, 1957.
McDonald, I. W., 137.
McDonald, M. R., & Riddle, O., 1706.
McDougall, E. I., 2056.
—. See also Blakemore, F., jt. author, 551.
McDougle, H. C. See Durant, A. J., jt. author, 659, 1810, 1989.
McDowell, M. A. See Nutini, L. G., et al., jt. authors, 639.
McDuffie, W. C., Lindquist, A. W., & Madden, A. H., 1797.
de Macedo, L. R. T., 183, 283.
McElroy, O. E. See Lamanna, C., et al., jt. authors, 675.
McEwen, A. D., 498.
McGhee, W. J. See Bloom, W. L., et al., jt. authors, 9.
—. See also Watson, D. W., et al., jt. authors, 8.
McGinnis, J., & Carver, J. S., 1641.
McGirr, J. L., 1613.
McGowan, J. C., & Brian, P. W., 1338.
Macgregor, C. H. See Franklin, M. C., et al., jt. authors, 101.
Machado, A. V. See Giovine, N., et al., jt. authors, 31.
Macheboeuf, M. See Polonovski, M., et al., jt. authors, 1731.
McHenry, E. W. See Patterson, J. M., jt. author, 1464.
Macht, D. I., 2032.
McIntire, F. C. See Frost, D. V., et al., jt. authors, 1469.
McIntosh, B. M. See Henning, M. W., jt. author, 662.
McIntosh, J., & Selbie, F. R., 1842.
McIntyre, C. W., & Ragsdale, A. C., 1729.
Mack, W. N. See Hammon, W. McD., et al., jt. authors, 1448.
McKenna, 1001.
Mackenzie, D. M. See Hare, R., jt. author, 505.
Mackenzie, P. Z., 2280.
Mackenzie, R. D. See Wallace, W. S., jt. author, 850.
Mackerras, I. M., 2214.
McLauchlan, A. W. See Roberts, F. H. S., et al., jt. authors, 2210.
McLean, A., 1801.
Macleaod, L. D. See Carpenter, R. K., et al., jt. authors, 158.
MacLeod, J., Ponder, E., Aitken, G. J., Jr., & Brown, R. B., Jr., 1364.
McLeod, J. W. See Gordon, J., et al., jt. authors, 1874.
MacManamny, L. F., 2227.
McNally, P. A., 1167.
—. See also O'Meara, R. A. Q., et al., jt. authors, 1862.
McNaught, M. L., & Smith, J. A. B., 2062.
McNeil, E., & Hinshaw, W. R., 1491.
—. See also Hinshaw, W. R., jt. author, 1956.
McPeak, E., & Warren, S., 120.
Madden, A. H. See McDuffie, W. C., et al., jt. authors, 1797.
Maddocks, A. B. See Reinhart, H. L., et al., jt. authors, 791.
Madeira, A. C., 2303.

Maderious, W. E. See Haring, C. M., et al., jt. authors, 672.
Madison, R. M., 2078.
de Magalhães, O., & Aleixo, H. B., 1756.
Magni, G. See Bonezzi, G., et al., jt. authors, 1399, 2163.
—. See also Cavalli, L., jt. author, 2297.
Magnusson, H., 706, 1403, 1483.
Mahadevan, P., 2007.
Majumdar, B. N., & Ray, S. N., 395.
Malahovskiĭ, A. Ja., 1366.
Malanga, C. See Seeler, A. O., et al., jt. authors, 1978.
Malløe, O., 1616.
Malmquist, W. A. See Fenstermacher, R., et al., jt. authors, 321.
Malpress, F. H., 768.
Mamedov, Z. M., 2260.
De Man, T. J., & Bos, K., 775.
—, & Grashuis, J., 1468.
Mandoul, R., & Dargelos, R., 2170.
—, & Pautrizel, R., 518.
Manninger, R., 2191.
Marais, S. J. S. See Sutton, G. D., jt. author, 1767.
Marambio, J. A., 94.
Marek, J., Wellmann, O., & Urbányi, L., 1320.
Markson, L. M., 366.
—. See also Blaxland, J. D., jt. author, 1132.
—. See also Hole, N. H., jt. author, 516.
Marsden, S. J., & Bird, H. R., 953.
Marsh, H. See Seghetti, L., jt. author, 958.
Marsh, T. D., & Kanagratnam, N., 1625.
Marshak, A., 560.
Marshall, E. K., Jr. See Dearborn, E. H., jt. author, 574.
Martel, H., 1892.
Martin, C. R. A., 1935, 1936.
Martin, R., 722.
Martinčić, M., 547.
Martins, E. O. See Junqueira, L. C. U., jt. author, 826.
Martland, H. S. See Mushett, C. W., jt. author, 1488.
Marty, J., 51.
Maruyama, C. See Willett, E. L., et al., jt. authors, 1104.
Marvin, H. N., & Rigdon, R. H., 481.
Maržan, B., 692.
Mason, J. H., & Widdicombe, M., 677.
Mason, K. E., & Telford, I. R., 1475.
Massart, L. See Peeters, G., jt. author, 763.
—. See also Peeters, et al., jt. authors, 977.
Massidda, A., 2148.
Masson, G. M. C. See Barsantini, J. C., jt. author, 1890.
Mathews, A. G., & Shelton, M. L., 1665.
Mathieu, F., 1332.
Mathis, C., 446.
Matoff, K., 912.
Matrone, G., Peterson, W. J., Baxley, H. M., & Grinnells, C. D., 972.
—. See also Ellis, G. H., et al., jt. authors, 2312.
Matsson, G., Ossiannilsson, F., & Rubarth, S., 1796.
Matter, E. See Bloch, H., et al., jt. authors, 456.
Matterson, L. D. See Jungherr, E., jt. author, 2252.
Mattick, A. T. R., Hirsch, A., & Berridge, N. J., 1169.
Matumoto, M. See Sabin, A. B., et al., jt. authors, 1596, 1597.
Maunder, J. C. J., 1829.
Mautner, L. S. See Ikejiani, O., jt. author, 572.
Maver, M. E., Thompson, J. W., & Greco, A., 515.
Mawson, R., 959.
May, J. R. See Stewart, H. C., jt. author, 2030.
Maynard, L. A., 237.
—. See also Ellis, G. H., et al., jt. authors, 2312.
Mayr-Harting, A., 294.
—. See also Gordon, J., et al., jt. authors, 1874.
Meessen, H., 1654.
Meiklejohn, G. See Rosebury, T., et al., jt. authors, 1512.
Meira, M. P. See Rathsan, E. W., jt. author, 188.
Mejlbo, E., 32.
Mellanby, E., 1110, 1629.
Mellanby, K., 1622.
Mellgren, J., & Lundh, G., 374.
de Mello, F. P., 2188.
Melnick, J. L. See Lawson, R. B., jt. author, 75.
de Mendonça Machado, A., 1739.
Menkin, V., 165, 2055.
Menon, K. A. P., 831.
Menschik, Z., 1114.
Menzani, C., 311.
Menzel, R. See Reitler, R., jt. author, 663.
Mercer, F. E. See Roepke, R. R., jt. author, 1952.
Merchant, I. A., 2110.
—. See also Packer, R. A., jt. author, 656.
Mercier, E., 1907.
Merritt, H. H., & Brenner, C., 1515.
Méry, F. See Goret, P., jt. author, 693.
—. See also Goret, P., et al., jt. authors, 1441.
Metcalf, R. L. See Krusé, C. W., jt. author, 1200.
Mettam, R. W. M., 629.
Meunier, M. See Giroud, P., et al., jt. authors, 1004.
Meyer, J. R., 194.
Meyer, K. See Feiner, R. R., et al., jt. authors, 293.
Middlebrook, G., & Dubos, R. J., 1042.
—. See also Dubos, R. J., et al., jt. authors, 1165.
Mies, A., Jr., 1704.
Miesse, M. L. See Grubb, T. C., et al., jt. authors, 490.
Mikačić, D., 332.
—, & Erlich, I., 347.
Miklaušić, B. See Sutlić, A., jt. author, 798.
Mikulaszek, E., & Ratomski, A., 1053, 1555.
Milk in N. America. Rep. Milk Mission, 1945, 202.
Millenbruck, E. W., & Wallinga, M. H., 1196.
Miller, A. See Smith, M. G., et al., jt. authors, 1769.
Miller, A. W., 631.
Miller, C. P., & Boor, A. K., 563.
Miller, G. D. See Seath, D. M., jt. author, 1390, 1916, 2095.
Miller, J. K., 906.
Miller, L. L., Robscheit-Robbins, F. S., & Whipple, G. H., 1818.
—. See also Whipple, G. H., et al., jt. authors, 1887.
Miller, M. J., 1455.
Miller, W. C., 227.
Mills, J. A. See Stanley, N. F., jt. author, 1172.
Mills, K. C., & Dochez, A. R., 1793.
Mills, R. C. See McCullough, W. G., et al., jt. authors, 468.
Milovanov, V. K., 1901, 2281, 2289.
Minett, F. C., 1915.
—, & Sen, S., 1204.
—. See also Sinha, K. C., jt. author, 1917.
Mitchell, H. H., 1466.
Mitchell, J. S., 556.
Mitchell, S. G. A. See Harriss, S. T., et al., jt. authors, 1811.
Mitman, M., 990.
Mixner, J. P., & Upp, C. W., 608.
Mole, R. H., 702.
Molgard, P. C., & Cavett, J. W., 1785.
Møller, P., 263.
Møller, S., 168.
Molloy, E. See Pappenheimer, A. M., et al., jt. authors, 1788.
Molomut, N., 1280.
Momin, S. A. See Pal, A. K., et al., jt. authors, 596.
Monahan, E. P. See Silver, M. L., et al., jt. authors, 1632.
Money, W. L. See Albert, A., jt. author, 1530.
Monod, R., & Cara, M., 558.
Monroe, C. F. See Hibbs, J. W., et al., jt. authors, 530.
Monserrat, J. L. See Elizalde, P. I., et al., jt. authors, 834.
Monteiro, E., 1560.
Montgomery, C. M. See Woodard, G., et al., jt. authors, 552.
Monty, L., 1911.
Moore, E. N., 370, 1864.
Moore, G. R., 1707.
Moore, L. A., 1111.
Moore, T., 1273.
—, & Wang, Y. L., 384.
Moore, V. See Loew, E. R., et al., jt. authors, 1506.
Moran, T., 1630.
Morcos, Z., Zaki, O. A., & Zaki, R., 1965, 2140.
Morén, A., 230.
Morgan, B. B., 300.
Morgan, H. J., 1992.
Morgan, M. T., 1893.
Morgan, W. T. J., & Synge, R. L. M., 1854.
Morin, J. E., & Turcotte, H., 1985.
Moriyama, H., & Ohashi, S., 950.
Mornet, M. P., 1449.
Mornet, P., 1774.
—, & Receveur, P., 1776.
—. See also Curasson, G., jt. author, 2157.
Morrione, T. G., 1819.
Morris, H. P. See Chalkley, H. W., et al., jt. authors, 522.
Morrison, F. B. See Willman, J. P., et al., jt. authors, 960.
Morrison, F. O. See Proverbs, M. D., jt. author, 1680.
Morrow, K. S. See Keenere, H. A., et al., jt. authors, 2237.
—. See also Teeri, A. E., et al., jt. authors, 1215.
Morse, E. V. See Kiesel, G. K., et al., jt. authors, 1154.
Morton, H. E. See Kelner, A., jt. author, 2262.
Moses, H. E. See Doyle, L. P., et al., jt. authors, 1484.
Motzok, I. See Branion, H. D., et al., jt. authors, 1825.
Mougeot, M. Y., 1146.
Moulder, J. W., 1427.
Moule, G. R., 931, 1627.
—, & Sutherland, A. K., 1278.
—. See also Lee, H. J., jt. author, 2239.
Mulhearn, C. R., 2159.
De Moulin, F., 701, 1949.
Mudaliar, S. V., 910.
—, & Ramanujachary, G., 513.
Mudd, S. See Herdegen, M., et al., jt. authors, 851.
Mueller, J. H. See Cheever, F. S., jt. author, 2019.
Mugaburu, L. G. See Stauffer, V. D., et al., jt. authors, 1872.
Muir, W. R., 387, 422.
Mukherjee, R. See Iyer, S. G., jt. author, 1470.
Mulhearn, C. R., 60.
Mullick, D. N. See Pal, A. K., et al., jt. authors, 596.
Mulligan, R. M., & Becker, D. L., 540.
Munro, S. S., 1910.
Murányi, F. See Hódosy, J., jt. author, 276.
Murat, M. See Pellerat, J., jt. author, 1159.
Muret, M. See Pellerat, J., jt. author, 649.
Murnane, D., 244, 567.
—, Bazeley, P. L., & Oxer, D. T., 1847.
Murphy, J. M., 1664.
Murray, D. L. See Ritchie, J. M., et al., jt. authors, 450.
Murray, M. M., & Wilson, D. C., 549.
Murray, W. S., & Warner, S. G., 1097.
Mushett, C. W., & Martland, H. S., 1488.
Myers, J. A., 1943.

N

Nadal, H. S., 1260.
Näätänen, E., 146.
Naeslund, J., & Nylin, G., 1222.
—. See also Hedenstedt, S., jt. author, 1221.
Nagaty, H. F., 309.
Nagornyĭ, E. P., 1898.
—, & Smirnov, I. V., 1899, 2286.
Nair, K. P., 2295.
Nalbandov, A. V., & Card, L. E., 1126, 1127.
Needham, N. V., 988.
Neefe, J. R., & Stokes, J., Jr., 1996.

Negherbon, W. O. See Chang, S. L., jt. author, 46.
Negro, G., 2263.
Neĭman, O. F., & Zal'tsman, A. A., 1902.
Nelson, H. G. See O'Meara, R. A. Q., et al., jt. authors, 1862.
Neitz, W. O., & Steyn, H. P., 1431.
Nelson, J. B., 2195.
Nelson, M. M., van Nouhuys, F., & Evans, H. M., 1643.
Nerlinger, C. M. See Brandly, C. A., et al., jt. authors, 896.
van Ness, G., 1485.
Netter, A., & Bourgeois, P., 774.
Netto, F. A., 640.
Neumann, R., 1701.
Neumann-Klienpaul, K., & Schützler, G., 759.
Neuroth, M. L. See Christian, J. E., jt. author, 785.
Nevot, A. See Gastinel, P., jt. author, 269.
Newell, G. W., Erickson, T. C., Gilson, W. E., Gershoff, S. N., & Elvehjem, C. A., 1633.
Newton, W. H. See Dewar, A. D., et al., jt. authors, 160.
Nicaud, P., 449.
Nicholson, H. P. See Ludwig, R. G., jt. author, 585.
Nicol, G., 1573, 1682.
Nicol, L. See Lemétayer, E., et al., jt. authors, 901, 902.
Nicolle, P., 2208.
Nieberle, K., 377.
Nielsen, F. W., 1015.
Nilsson, S. A., 1658.
Nizet, A., 797.
Nižnánsky, F., 36.
—, & Kvapil, K., 1584.
Noble, R. L., 1841.
Nörr, J., 198.
Noirjean, P., 371.
Nonidez, J. F., 2266.
Noordijk, E., 1404.
van der Noot, G. W., Reece, R. P., & Skelley, W. C., 1481.
Nordang, J., 1715.
Nordfeldt, S., 715.
Nordlund, I., 225.
Nordquist, A. V., 2099.
Nørgaard, F. See Jensenius, H., jt. author, 533.
Norris, K. R., 2211.
Norris, L. C. See Scott, M. L., et al., jt. authors, 1125.
Norris, R. F., 1805.
Norton, C. L., Eaton, H. D., Loosli, J. K., & Spielman, A. A., 529.
—. See also Spielman, A. A., et al., jt. authors, 526, 527.
Van Nouhuys, F. See Nelson, M. M., et al., jt. authors, 1643.
Nouvel, J., 1861.
Novicky, R., 50, 1601.
Nutini, L. G., Kelly, T. A., & McDowell, M. A., 639.
—, & Lynch, E. M., 1851.
Nylin, G. See Naeslund, J., jt. author, 1222.

O

Obel, A. L. See Sandstedt, H., et al., jt. authors, 1640.
Oberlé, G., 306.
Oesterlin, M., 949, 1502.
Ofner, R. R. See Woodard, G., et al., jt. authors, 552.
Ohashi, S. See Moriyama, H., jt. author, 950.
Ojemann, J. G., 199, 1708, 2244.
Okkels, H., & Vraa-Jensen, G., 2302.
Olafson, P., 933.
—, & Rickard, C. G., 313.
—. See also Walker, R. V. L., jt. author, 314.
—. See also Willman, J. P., et al., jt. authors, 960.
Olarte, J. See Varela, G., jt. author, 282.
Oldham, F. K., Kelsey, F. E., Cantrell, W., & Geiling, E. M. K., 573.
Oleson, J. J. See Ritter, H. B., jt. author, 624.
Olitzki, L., Czackes, J. W., & Kuzenck, A., 2199.
—. See also Shelubsky, M., jt. author, 1268.
Olivier, H. R., & De Saint-Rat, L., 569.
Olney, J. F. See Van Es, L., et al., jt. authors, 458.
Olsen, A., 1577.
Olson, A., 1563.
Olson, B. J., Habel, K., & Piggott, W. R., 644.
—. See also du Buy, H., et al., jt. authors, 1566.
Olsson, E., 1123.
O'Meara, R. A. Q., McNally, P. A., & Nelson, H. G., 1862.
Opie, E. L., 2235.
Orazio, C., 1274.
Oricchio, D. See Savarino, S., jt. author, 181.
Orlov, I. V., 1353.
Ormea, F. See Casassa, M. T., jt. author, 1038.
Ornstein, O., & Thorsson, K. G., 1855.
Orr, J. W. See Gordon, J., et al., jt. authors, 1874.
Ørskov, J., 477, 593, 1964.
Ortega, J. A. See Rosenthal, W., jt. author, 747.
O'Ryan, J., 1016.
Osborne, H. G., 1871.
Ossiannilsson, F. See Matsson, G., et al., jt. authors, 1796.
Osteen, O. L., & Anderson, W. A., 1783.
O'Sullivan, P. J. See Roberts, F. H. S., et al., jt. authors, 2210.
Ott, W. H. See Seeler, A. O., et al., jt. authors, 576.
Ottesen, J. See Andreasen, E., jt. author, 2058.
Otto, G. F. See Donaldson, A. W., jt. author, 109.
Ottosen, H. E., 1049.
Ovchinnikov, S. M. See Tsion, R. A., jt. author, 2145.
Overman, R. R., 2051.
Owen, C. R., 1746.
Owen, E. C., 768.
Oxer, D. T. See Murnane, D., et al., jt. authors, 1847.
van Oye, E. See Rodhain, J., jt. author, 90.

P

Packer, R. A., & Merchant, I. A., 656.
Pal, A. K., Momin, S. A., & Mullick, D. N., 596.
Pal, R. See Puri, I. M., jt. author, 1669.
Palacios, H. R. See Rodriguez, T. R., et al., jt. authors, 1587.
Pallister, E. F. See Rice, C. E., et al., jt. authors, 1751, 1752.
Palmeiro, J. M., 476, 969.
Pandalai, K. M., & George, M., 1156.
Panisset, M., & Louis-Marie, 1173.
Panizzi, E., 638.
Panysheva, L. V., & Kozenko, T. M., 2283.
Pappenheimer, A. M., & Enders, J. F., 2020.
—, Molloy, E., & Rose, H. M., 1788.
—. See also Adams, M. H., et al., jt. authors, 1059.
Paraf, J., Desbordes, J., & Cagniant, P., 1741.
Parish, H. E., & Rude, C. A., 2001.
Parish, H. J., 1734.
Parker, W. H. See Temperton, H., et al., jt. authors, 302.
Parkes, A. S., 1451.
—. See also Bruce, H. M., jt. author, 922.
Parkin, I. E., 245.
Parnas, J., 1275.
Parodi, F., 757.
Parrish, E. See Gill, D. A., jt. author, 2107.
Parry, H., 1635.
Parsons, E. I., McCollum, E. V., & Frobisher, M., Jr., 1461.
Parvis, D., 1982.
Pasqualini, R. Q., 2067.
Patalano, A. See Soubrie, A. J., jt. author, 795.
Paterson, J. D., 1547.
Patterson, J. M., & McHenry, E. W., 1464.
—. See also Ridout, J. H., et al., jt. authors, 1465.
Pautrizel, R. See Mandoul, R., jt. author, 518.
Pavlovskiĭ, M. A., 2028.
Payne, M. G., & Kingman, H. E., 1532.
Pavan, G., & Renato, T., 1677.
Peacock, P. R. See Greenwood, A. W., jt. author, 1809.
—. See also Kirby, A. H. M., jt. author, 1808.
Pearson, P. B., 1116.
Pease, M., 2274.
Peck, J. L. See Thomas, L., jt. author, 492.
Peck, J. L., Jr., & Sabin, A. B., 1438.
Pedersen, J. G. A., 1109.
Pedersen-Bjergaard, K. See Kjems, H., jt. author, 770.
Peeters, Vandeplassche, & Massart, 977.
Peeters, G., & Massart, L., 763.
Peirce, A. W., 131, 1113.
Pellerat, J., & Muret, M., 649, 1159.
Peluffo, C. A. See de León, J. P., jt. author, 21.
Peña-Yáñez, A., 682.
Penfold, J. B. See Green, J. B. M., jt. author, 426.
Penn, K. E., 1411.
Peperkamp, C. W. A. N., & Jansen, J., 2139.
—. See also Jansen, J., jt. author, 654, 1134.
Percival, G. P. See Keenere, H. A., et al., jt. authors, 2237.
Pereira, C. See de Castro, M. P., jt. author, 1305.
Perl, A., 769.
Perl, A. F., 246.
Perreau, E. H., 1694, 1695.
Perroni, P., 12.
Peršić, V., & Jakšić, B. Z., 691.
Peters, H., 780.
Peters, I. I., & Trout, G. M., 592.
Petersen, E. H., 2088.
Peterson, W. J. See Matrone, G., et al., jt. authors, 972.
Petrov, A. M., 1313.
Pettersson, A., 636.
Pettit, J. H. See Branion, H. D., et al., jt. authors, 1825.
Peutzer, B. See Grubb, T. C., et al., jt. authors, 490.
Pfadt, R. E., 703.
Phelps, A. J. See Findlay, G. M., et al., jt. authors, 1869.
Philip, C. R., 76.
Phillips, R. W., 2098.
—, Schott, R. G., & Simmons, V. L., 2296.
Phillipson, A. T., 768, 2061.
Philp, R. C. T., 2127.
Pichugin, V. M., Alikaev, V. A., & Troyanovskiĭ, D. P., 210.
Pickels, E. G. See Curnen, E. C., et al., jt. authors, 894.
Pielou, D. P., 938.
Pierce, A. E., 48.
Pierce, C. See Dubos, R. J., et al., jt. authors, 1165.
Piercy, S. E., 751, 1432, 1433.
Pierre, M., 606, 607.
Pierson, J. See Seeler, A. O., et al., jt. authors, 1978.
Piggott, W. R. See Olson, B. J., et al., jt. authors, 644.
Pigoury, L., 54, 328.
—. See also Poursines, Y., jt. author, 34.
—. See also Poursines, Y., et al., jt. authors, 33.
Pike, R. M., 1884.
Pile, M., Stewart, D. D., & Standfast, A. F. B., 1160.
Pillay, M. R. See Viswanathan, G. R., et al., jt. authors, 863.
Pillemer, L., Wittler, R., & Grossberg, D. B., 1277.
Pinto, C., & Vaz, Z., 97.
Piratininga, S. N., 1064.
Pires, A., 208.
Pirie, A., & Wood, C., 528.
Pirot, R., & Bourgain, M., 1968.
Pitre, J. See Brunaud, M., jt. author, 156.

Pittman, M. See Probey, T. F., jt. author, 2258.
Plagge, J. C., 1539.
Plantureux, E. See Donatien, A., et al., jt. authors, 316, 1285.
Platt, W. R., 1458.
Plum, C. M., 1879.
Plum, N., 273, 453, 1048, 1556.
Plummer, P. J. G., 861, 1590, 1591.
Poelma, L. J. See Reagan, R. L., et al., jt. authors, 1994.
Pogorelyĭ, A. I. See Ivanov, P. A., et al., jt. authors, 404.
Pokorny, V., 1605.
Pokrovskiĭ, S. A. See Lototzkiĭ, B. V., jt. author, 1090.
—. See also Vorob'eva, A. N., jt. author, 1182.
Pollock, M. R., 1083.
Polonovski, M., 1244.
—, Boulanger, P., Macheboeuf, M., Roche, J., & Sannie, C., 1731.
Poltev, V. I., & Karkadinovskaya, I. A., 1960.
Pomeroy, B. S. See Fenstermacher, R., et al., jt. authors, 321.
Pomriaskinsky-Kobozieff, N. A. See Kobozieff, N., jt. author, 445.
Ponder, E. See MacLeod, J., et al., jt. authors, 1364.
Pons, R., 2175.
Popham, W. L., 1725.
Popják, G., 1223.
Porter, J. J., & Kelman, A. C., 1492.
Porter, J. W. G. See Kon, S. K., jt. author, 2063.
Porter, M. T. See Blair, M., et al., jt. authors, 1102.
Porter, R. J. See Campbell, A. M. G., et al., jt. authors, 139.
Portnuff, J. C. See Lubinski, H. H., jt. author, 1615.
Post, R., & Terpstra, J. I., 2233.
Potter, V. R., 918.
Potts, W. H., & Vanderplank, F. L., 191.
Pouget, J. See Guilhon, J., jt. author, 2044.
Poursines, Y., & Pigoury, L., 34.
—, —, Borde, R., & Bernard, M., 33.
Powell, E. F. See Wolcott, R. H., jt. author, 2116.
Powick, W. C., Ellis, N. R., & Dale, C. N., 1473.
Prado, L. M. See Rodriguez, T. R., et al., jt. authors, 1587.
Prawochenński, R., 1239.
Preobrazhenskiĭ, P. P., 163.
Price, C. W., Randall, W. A., Chandler, V. L., & Reedy, R. J., 2034.
Priestly, F. W., & Artioli, D., 281, 2119.
Prieto, C. See Grosso, A. M., et al., jt. authors, 104.
Prince, F. S. See Waller, E. F., et al., jt. authors, 939.
Pritchard, H. V. See Johns, C. K., jt. author, 1689.
Pritchard, W. R. See Brandly, C. A., et al., jt. authors, 896.
Probey, T. F., 1582.
—, & Pittman, M., 2258.
Proverbs, M. D., & Morrison, F. O., 1680.
Provost, A. See Roubaud, E., jt. author, 43, 297.
Puck, T. T., 1510, 1511.
—. See also Dunklin, E. W., jt. author, 1759.
—. See also Robertson, O. H., et al., jt. authors, 989.
Pugh, L. P., 1290.
Pugsley, L. I. See Bird, S., et al., jt. authors, 1889.
Pukanić, I., 1927.
Pukh, 1961.
Pullar, E. M., 2222, 2228.
Pullinger, B. D., 1835.
Pullinger, E. J., 412, 1692.
Pulsford, M. F., 2245.
Pulver, H. See Grünigen, F. v., et al., jt. authors, 1823.
Purchase, H. S., 308.
—, & Reverberi, A. A., 1462.
Puri, I. M., 1673.
—, & Bhatia, M. L., 1671.
—, & Krishnaswami, A. K., 1670, 1672.
—, & Pal, R., 1669.

Q

Quarmby, W. B., 858.
Quevedo, J. M., Jr., Stura, C. A., Loustau, J. A. R., & Trovato, O., 488.
Quigley, G. D., & Cory, E. N., 190.
Quin, J. I. See Clark, R., jt. author, 1913.

R

Racker, E., & Krimsky, I., 1439.
Raffel, S., 270.
Rafyl, A. See Delpy, L. P., jt. author, 1428.
Raghavachari, K., Shah, A. A., & Ray, H. N., 407.
Ragsdale, A. C. See McIntyre, C. W., jt. author, 1729.
Rahn, O. See Roberts, M. H., jt. author, 1875.
Rainey, J. W., 940.
Rake, G. See Donovick, R., jt. author, 1163.
Rakos, R., 610.
Ramanujachary, G. See Mudaliar, S. V., jt. author, 513.
Ramon, G., Richou, R., & Holstein, G., 2118.
Rampon, L. See Donatien, A., et al., jt. authors, 316.
Randall, J. B., & Beveridge, C. G. L., 1500.
—, & Laws, S. G., 1499.
Randall, R., 485.
—. See also Engel, L. L., jt. author, 66, 1076.
Randall, W. A. See Price, C. W., et al., jt. authors, 2034.
Rangel, N. See Glóvine, N., et al., jt. authors, 31.
Rao, M. V. G., 908.
Rao, V. V., 904.
Rapić, S., 557.
—. See also Bosnić, L., jt. author, 548.
Raschke, O., 222.
Rašin, K., 1564.
Rasmussen, D. L. See Stoddart, L. A., jt. author, 1711.
Rathsan, E. W., & Meira, M. P., 188.
Ratomski, A. See Mikulaszek, E., jt. author, 1053, 1555.
Rattray, G. B. See Duckworth, J., jt. author, 420.
Ravera, G. P., 621.
Ray, D. H. See Hassall, A., et al., jt. authors, 1030, 1031.
Ray, F. E. See Bloch, H. S., jt. author, 126.
Ray, H. N., 1352.
—. See also Raghavachari, K., et al., jt. authors, 407.
Ray, S. N. See Majumdar, B. N., jt. author, 395.
Raymond-Hamet, 1507.
Reagan, R. L., Lillie, M. G., Poelma, L. J., & Brueckner, A. L., 1994.
Receveur, P. See Mornet, P., jt. author, 1776.
Record, P. R. See Bethke, A. M., et al., jt. authors, 1815.
Records, E. See Vawter, L. R., jt. author, 537.
Reece, R. P., 2015.
Reece, R. P. See van der Noot, G. W., et al., jt. authors, 1481.
Reed, G. B. See Campbell, J. J. R., jt. author, 2141.
—. See also Rice, C. E., et al., jt. authors, 1751, 1752.
—. See also Stevenson, J. W., et al., jt. authors, 1750.
Reedy, R. J. See Price, C. W., et al., jt. authors, 2034.
Rees, L. W. See Reinhart, H. L., et al., jt. authors, 791.
Reeves, W. C., Hammon, W. McD., Furman, D. P., McClure, H. E., & Brookman, B., 2184.
—. See also Hammon, W. McD., et al., jt. authors, 1448.
Regnér, G., 2278.
Reid, N. R., 2318.
Reilly, H. C. See Waksman, S. A., jt. author, 216.
Reingardt, L. V., & Zabud'ko-Reingardt, T. N., 193.
Reineke, E. P. See Turner, C. W., jt. author, 978.
Reinhard, E. See Salomon, K., et al., jt. authors, 1371.
Reinhart, H. L., Maddocks, A. B., & Rees, L. W., 791.
Reiss, M. See Carpenter, R. K., et al., jt. authors, 158.
Reitler, R., & Menzel, R., 663.
Rek, L., 1642.
Remlinger, J., & Bailly, J., 1589.
Remlinger, P., & Bailly, J., 2178.
Rempel, J. G., & Arnason, A. P., 1618.
Renato, T. See Pavan, G., jt. author, 1677.
Renault, J. See Kreis, B., jt. author, 1044.
Reverberi, A. A. See Purchase, H. S., jt. author, 1462.
Revnivykh, A. G., & Balabyrdina, Z. A., 510, 511.
Rey de Castro, A. See Stauffer, V. D., et al., jt. authors, 1872.
Reymann, G. C., 944.
Reynes, V., & Delbove, P., 2126.
—. See also Delbove, P., jt. author, 268.
Reynolds, B. A., 1846.
Reynolds, D. M. See Waksman, S. A., et al., jt. authors, 175.
Rhoades, H. E., & Hardenbrook, H., Jr., 2155.
Rhodes, A. J. See Fodden, J. H., jt. author, 1081.
Ribeiro, J. M., & Janz, G. J., 130.
Rice, C. E., 1450, 1753, 1958, 2181, 2182.
—, Pallister, E. F., Smith, L. C., & Reed, G. B., 1751.
—, Smith, L. C., Pallister, E. F., & Reed, G. B., 1752.
Richards, O. W., 2300.
Richards, P. H., 603.
Richardson, U. F., 1549.
Richey, M. G. See Wicks, L. F., et al., jt. authors, 219.
Richou, R., 859.
—. See also Ramon, G., et al., jt. authors, 2118.
Richter, C. P., & Emlen, J. T., Jr., 428.
Rickard, C. G. See Olafson, P., jt. author, 313.
Rickard, E. R., Thigpen, M. P., & Adams, J. M., 65.
Riddle, O. See McDonald, M. R., jt. author, 1706.
Ridley, H., 554.
Ridout, J. H., Lucas, C. C., Patterson, J. M., & Best, C. H., 1465.
Rieckhof, W., 122.
Riedmüller, L., 69.
Riek, R. F., & Wright, S. E., 169.
Van Riel, J., 866.
Rigdon, R. H., 1586.
—, & Varnadoe, N. B., 1977.
—. See also Marvin, H. N., jt. author, 481.
—. See also Rostorfer, H. H., jt. author, 305.
Riker, W. F., 966.
—, & Rosenfeld, G., 1360.
Riley, V. T. See Bryan, W. R., et al., jt. authors, 116.
Rimington, C., & Bickford, J. A., 500.
—. See also Lawson, A., jt. author, 200.
Riordan, J. T., 2133.
Riser, W. H. See Lacroix, L. J., et al., jt. authors, 2158.
Rislakki, V., 24.
Ritchie, J. M., Murray, D. L., & Holgate, M., 450.
Ritter, H. B., & Oleson, J. J., 624.
Robb-Smith, A. H. T. See Wells, A. Q., jt. author, 2131.
Roberts, F. H. S., 1620, 1684.
—, O'Sullivan, P. J., Rumball, P., & McLauchlan, A. W., 2210.
—. See also Lucas, K. M., jt. author, 338.
Roberts, M. H., & Rahn, O., 1875.
Roberts, R. E. See Gerry, R. W., et al., jt. authors, 1107.
Roberts, R. S., 745.
Roberts, S. J. See Johnson, S. D., jt. author, 1660.
Robertson, A. See Inglis, J. S. S., jt. author, 616.
Robertson, M. See Kerr, W. R., jt. author, 877, 878, 879.

Robertson, O. H., Puck, T. T., & Wise, H., 989.
Robinson, E. M., 213, 1945.
Robinson, M., 1190, 2029.
Robscheit-Robbins, F. S. See Miller, L., et al., jt. authors, 1818.
—. See also Whipple, G. H., et al., jt. authors, 1887.
da Rocha Lagôa, F., 2202.
Roche, J. See Polonovski, M., et al., jt. authors, 1731.
Roder, F., 256.
Rodhain, J., 873, 874.
—, & van Oye, E., 90.
Rodriguez, F. M., 1544.
Rodríguez, T. R., Prado, L. M., & Palacios, H. R., 1587.
Rodwell, A. W., 1417.
Roemmele, 274.
Roepke, R. R., & Mercer, F. E., 1952.
Roessler, W. G. See McCullough, W. G., et al., jt. authors, 468.
Rogers, H. See Stein, C. D., jt. author, 1400.
Rogers, W. N., 694, 695.
Roizin, L. See Ferraro, A., jt. author, 531.
Roman, G. See Lisbonne, M., jt. author, 674.
Romanoff, A. L., 2273.
Romijn, C., 796.
Roos, O. K., 2250.
Roots, E., 784.
da Rosa, F. M., 389.
Rose, E. J. See Schultz, M. P., jt. author, 1651.
Rose, H. M. See Pappenheimer, A. M., et al., jt. authors, 1788.
Rosebury, T., Meiklejohn, G., Kingsland, L. C. & Boldt, M. H., 1512.
Rosemeier, W., 1387.
Rosenbaum, R., 1924.
Rosenberg, V. A., Blagoveshchenskaya, G. S., & Shabalina, E. F., 1942.
Rosenfeld, G. See Riker, W. F., jt. author, 1360.
Rosenthal, W., & Ortega, J. A., 747.
Ross, R. W. N. L. See Florey, M. E., et al., jt. authors, 754.
Rossell, C. S. C., 1562.
Rosset, W. See Hauduroy, P., jt. author, 1258.
—. See also Hauduroy, P., et al., jt. authors, 13.
Rossi, F. A., 899.
Rossi, P., 204.
—, & Lamy, E., 1652.
Rostorfer, H. H., & Rigdon, R. H., 305.
Roth, H. See Christensen, N. O., jt. author, 1096.
Rothchild, I., 427.
Roubaud, E., 39.
—, & Caubet, P., 478.
—, & Provost, A., 43, 297.
—, Stéfanopoulo, G. J., & Duvolon, S., 40.
Rougier, G. 1203.
Roux, P., 1909.
Rowlands, I. W. See Day, F. T., jt. author, 152.
Roy, D. N. See Wu, C. C., et al., jt. authors, 954.
Royer, A. See Dubé, E., et al., jt. authors, 1198.
Rubarth, S., 929, 1607, 1649.
—. See also Matsson, G., et al., jt. authors, 1796.
Rube, E., 1489.
Rubtzov, I. A., 1355.
Rudall, K. M. See Haddow, A., jt. author, 1202.
Rude, C. A. See Parish, H. E., jt. author, 2001.
Rude, C. S., 955.
Ruegamer, W. R. See Cooperman, J. M., et al., jt. authors, 1122.
Rukavina, J., 2308.
Rumball, P. See Roberts, F. H. S., et al., jt. authors, 2210.
Russeff, C., 91.
Russell, W. R. See Campbell, A. M. G., et al., jt. authors, 139.
Rutledge, W. A. See Common, R. H., et al., jt. authors, 1191.
Rycroft, B. W., 398.

S

Sabin, A. B., Ginder, D. R., & Matumoto, M., 1596.
—, Schlesinger, R. W., Ginder, D. R., & Matumoto, M., 1597.
—. See also Peck, J. L., Jr., jt. author, 1438.
Sabovljev, A., 1546.
Sachweh, P., 151.
Sadiković, A., 1362.
Sahasrabudhe, N. G., 396.
De Saint-Rat, L. See Olivier, H.-R., jt. author, 569.
Sakavarelidze, V. Z., & Amirkhanov, G. I., 1569.
Sakellariou, S. See Kaplan, M. M., jt. author, 1453.
Salisbury, G. W., & Knodt, C. B., 1171.
—. See also Tanabe, T., jt. author, 772.
Salisbury, R. M., 2040.
Salle, A. J., & Jann, G. J., 732.
Salomon, K., Gabrio, B. W., Reinhard, E., & Silberberg, R., 1371.
Salomon, Lé. See Salomon, Lo., jt. author, 196.
Salomon, Lo., & Salomon, Lé., 196.
Sami, A. See Abaza, M. S., jt. author, 259.
Sanders, D. A. See Blakeslee, E. B., et al., jt. authors, 2216.
Sandstedt, H., Obel, A.-L., Sjöberg, K., & Karlsson, K.-F., 1640.
Sannié, C., 172.
—, Truhaut, R., & Guérin, P., 1457.
—. See also Polonovski, M., et al., jt. authors, 1731.
Sano, M. E. See Spiegel-Adolf, M., jt. author, 1807.
Van Santen, R., 413.
Sarkisov, A. K., Krashnina, E. S., Korneev, N. E., Koroleva, V. P., Gerasimova, P. N., & Akulova, N. S., 1657.
Sarwar, M. M., 2224.
Sassenhoff, I. See Seifried, O., jt. author, 373.
Saurat, P., 733.
Saurer, H., 2108.
Sautter, J. H. See Kitchell, R. L., et al., jt. authors, 1454.
Savage, A., & Isa, J. M., 1592.
Savage, G. M. See Whiffen, A. J., jt. author, 399.
Savarino, S., & Oricchio, D., 181.
Savel'ev, G. S., 2149.
Savino, E., & Goobar, J. K., 277.
Saxer, E. See Gräub, E., et al., jt. authors, 454.
Saxinger, G., 23.
Saxton, J. A., & Silberberg, M., 2065.
Schaefer, W., 272.
Schaeffer, G., & Thibault, O., 157.
Schaetz, F., 1385.
Schalm, O. W., & Casselberry, N. H., 1662.
Schatz, A., & Waksman, S. A., 177.
—. See also Jones, D., jt. author, 2000.
—. See also Waksman, S. A., et al., jt. authors, 175.
van der Scheer, A. F., 243.
Scheidy, S. F., 1575.
Scher, Y. See Bernhard, A., jt. author, 794.
Schinckel, 1001.
Schindler, T. See Hausam, W., et al., jt. authors, 1513.
Schlesinger, R. W. See Sabin, A. B., et al., jt. authors, 1597.
Schmid, G., 184, 1276.
—, & Giovanella, R., 867.
—, & Kuncaitis, J., 836.
Schmidt, H. W., 586.
Schmitt, G., 758.
Schnegg, R. See Hausam, W., et al., jt. authors, 1513.
Schneider, H. A., 2010.
Schneider, J. See Decourt, P., jt. author, 56.
Schneierson, S. S., 1344.
Schoch, E. W. See Gingrich, W., et al., jt. authors, 1179.
Schockaert, J. A., & Ferin, J., 2087.
Schoening, H. W., 441.
Schofield, F. W., 1328.
—, & Barnum, D. A., 1342.
Schoop, 1052.
Schormüller, J., 928.
Schott, R. G. See Phillips, R. W., et al., jt. authors, 2296.
Schubert, 781.
Schueler, F. W., 2167.
—, Chen, G., & Ceiling, E. M. K., 1350.
Schulte, 233.
Schultz, M. P., & Rose, E. J., 1651.
Schützler, G. See Neumann-Kleinpaul, K., jt. author, 759.
Schuler, W., 736.
Schwab, M. See Gingrich, W., et al., jt. authors, 1179.
Schwarte, L. H. See Biester, H. E., jt. author, 2112.
Schwarting, V. M., 623.
Schwartz, L. See Kligler, I. J., et al., jt. authors, 2096.
Schwartz, L. G. See Baker, W. C., jt. author, 584.
Scott, C. C., & Worth, H. M., 1723.
Scott, D. B., & Wyckoff, W. G., 788.
Scott, J. A., & Cross, J. B., 1804.
Scott, L. P., 211.
Scott, M. L., Norris, L. C., Heuser, G. F., & Bruce, W. F., 1125.
Scudder, H. I. See Baker, W. C., et al., jt. authors, 583.
Seath, D. M., 1389.
—, & Miller, G. D., 1390, 1916, 2095.
Seeberg, V. P., Illg, P. L., & Brown, D. J., 1153.
Seegal, B. C. See Knowlton, A. I., et al., jt. authors, 1359.
Seeler, A. O., Graessle, O., & Ott, W. H., 576.
Seeler, A. O., Malanga, C., & Pierson, J., 1978.
Segal, D. B. See Hassall, A., et al., jt. authors, 1029, 1030, 1031.
Seghetti, L., & Marsh, H., 958.
Seibold, H. R., 2232.
Seifried, O., Sassenhoff, I., 373.
Seigel, M., Karr, H. V., & Julianelle, L. A., 182.
Selbie, F. R. See McIntosh, J., jt. author, 1842.
Sellers, A. F. See Boyd, W. L., et al., jt. authors, 915.
Sen, A. K. See Banerjea, R., jt. author, 2275.
Sen, R. L. See Das Gupta, B. M., jt. Fauthor, 865.
Sen, S. See Minett, F. C., jt. author, 1204.
Sen, S. N. See Basu, P. N., jt. author, 1211.
Senekjie, H. A., & Lewis, R. A., 47.
Seneviratne, L. J. de S., 630.
Sengir, E., 214.
Sen Gupta, P. C., 1655.
Serdyukova, G. V., 484, 1089.
—. See also Blagoveschenskiĭ, D. I., jt. author, 1181.
Serra J. A., 1923.
Seth, S. C., 1286.
Shabalina, E. F. See Rosenberg, V. A., et al., jt. authors, 1942.
Shah, A. A. See Raghavachari, K., et al., jt. authors, 407.
Shahan, M. S., 1895.
Shanahan, R. H., Griffin, J. R., & von Auersperg, A. P., 1398.
Shaner, E. O. See Smith, R. R., jt. author, 725.
Shapiro, R. I. See Guiteras, A. F., jt. author, 1876.
Shattock, F. M. See Ellinger, P., jt. author, 136.
Shattock, P. M. F., 4.
Shaw, J. C., 535.
Shchepilov, N. S., 2242.
Sheahan, M. M., 534.
Shechmeister, I. L., & Greenspan, F. S., 1514.
Shelton, M. L. See Mathews, A. G., jt. author, 1665.
Shelubsky, M., & Olitzki, L., 1268.
Sheng, T. S., 1778.
Shepherd, C. C. See Gingrich, W., et al., jt. authors, 1179.
Sheppard, C. W., Wells, E. B., Hahn, P. F., & Goodell, J. P. B., 1822.
Shergin, N. P., 2270.
Sherlock, S. P. V., 1334.
Sherman, H. C., 1732.
Sherwood, R. M. See Couch, J. R., et al., jt. authors, 1321.
Shian, P. P., & Hsiung, C. T., 1005.

Shilova, N. G. See Voloskov, P. A., jt. author, 1226.
Shmyreva, M. K. See Kornienko, Z. P., jt. author, 57.
Shope, R. E., 1777, 2190.
Short, R. H. D. See Cameron, G. R., et al., jt. authors, 1336.
Short, R. P. N., 2316.
Shorten, M. See Chitty, D., jt. author, 787.
Shrewsbury, C. L., & Vestal, C. M., 1106.
Shropshire, R. F., 2100.
Shull, A. F., 1735.
Shultz, S. See Tompsett, R., et al., jt. authors, 562.
Shvaiger, M. O. See Drobot'ko, V. G., et al., jt. authors, 735.
Sigue, N., 1421.
Sigurdsson, J., 442.
Silberberg, M., & Silberberg, R., 1358.
—. See also Saxton, J. A., jt. author, 2065.
Silberberg, R. See Salomon, K., et al., jt. authors, 1371.
—. See also Silberberg, M., jt. author, 1358.
Silva Leitão, J. L., 1486.
Silver, M. L., Johnson, R. E., Kark, R. M., Klein, J. R., Monahan, E. P., & Zevin, S. S., 1632.
Silver, S. D., 1722.
Silverman, L., 423.
Simintzis, G. See Lucam, F., et al., jt. authors, 1319.
Simmons, G. G. See Sutherland, A. K., jt. author, 278.
Simmons, R. J., 629.
Simmons, S. W. See Clapp, J. M., et al., jt. authors, 579.
Simmons, V. L. See Phillips, R. W., et al., jt. authors, 2296.
Simms, B. T., 820.
Simon, M. A., 348.
Simpson, B. S., 805.
Singh, K. See Lall, H. K., jt. author, 1402.
Sinha, K. C., & Minett, F. C., 1917.
Sippel, W. L., 318.
Sjöberg, K., & Åkerblom, E., 1365.
—. See also Sandstedt, H., et al., jt. authors, 1640.
Skelley, W. C. See van der Noot, G. W., et al., jt. authors, 1481.
Skovgaard, H. G. See Jespersen, J., et al., jt. authors, 2080.
Skruinnik, A. N., 512.
Skryabin, K. I., 1310.
Slahospitskiĭ, T. P., 26.
Slanetz, L. W. See Brown, E. A., jt. author, 1043.
Slavin, G., 738.
Slijper, E. J., 162, 1228.
Slinger, S. J. See Branion, H. D., et al., jt. authors, 1825.
Smadel, J. E., & Jackson, E. B., 1868.
Smart, J., 335.
Smirnov, I. A. See Gribanov, V. N., jt. author, 744.
Smirnov, I. V. See Nagornyĭ, E. P., jt. author, 1899, 2286.
Smirnov-Ugryumov, D. V., 1897.
Smith, A., 1938.
Smith, B. S. See Dunn, J. E., et al., jt. authors, 578.
Smith, C. N., & Gouck, H. K., 2219.
—. See also Gouck, H. K., jt. author, 2217.
Smith, C. S. See Knowles, F. L., jt. author, 582.
Smith, C. T. See Holmes, A. D., et al., jt. authors, 1209.
Smith, D. F. G., 655.
Smith, E. L., 595.
Smith, H. R., 1256.
Smith, H. V. See Campbell, A. M. G., et al., jt. authors, 139.
Smith, J. A. B. See McNaught, M. L., jt. author, 2062.
Smith, L. C. See Rice, C. E., et al., jt. authors, 1751, 1752.
Smith, M. G., Blattner, R. J., Heys, F. M., & Miller, A., 1769.
Smith, M. R. See Wood, W. B., Jr., et al., jt. authors, 1738.
Smith, N. R., 833.
Smith, R. R., & Shaner, E. O., 725.
Smith, S. G., 2057.
Smolina, E. A. See Beĭlinson, A. V., et al., jt. authors, 1299.
Snozzi, T., 728.
Soares, I. F., 766.
Sobek, V., 1730.
Sober, H. A. See Hollander, F., et al., jt. authors, 1218.
Söderhjelm, L., 704.
Sokolova, L. M., 998.
Solomidès, J., 1407.
Soltys, M. A. See Jamieson, S., jt. author, 657.
Somers, G. F., 1135.
Sonnenblick, B. P. See Hollander, F., et al., jt. authors, 1218.
Sørensen, E., 615.
Sosnina, E. F., 1683.
Soubrie, A. J., & Patalano, A., 795.
Sparapani, G. C., 2138.
Spears, H. N., 73.
Spelman, A. F. See Holmes, A. D., et al., jt. authors, 1209.
Spiegel-Adolf, M., & Sano, M. E., 1807.
Spielman, A. A., Loosli, J. K., Thomas, J. W., Norton, C. L., & Turk, K. L., 527.
—, Thomas, J. W., Loosli, J. K., Whiting, F., Norton, C. L., & Turk, K. L., 526.
—. See also Norton, C. L., et al., jt. authors, 529.
Spisni, D., 133.
Spratt, N. T., Jr., 1543.
Sprent, J. F. A., 98, 1094, 1095.
Sprince, H. See Wooley, D. W., jt. author, 1101.
Stabler, R. M., 301, 1866.
Ställberg-Stenhagen, S., & Stenhagen, E., 1495.
Staffe, A., 2093.
Stafseth, H. J. See Corpron, R., et al., jt. authors, 25.
Stage, H. H., & Irons, F., 1678.
Stahly, G. L. See Lewandowski, T., jt. author, 242.
Stamp, J. T., & Watt, J. A., 651.
Stamps, P. See Huebner, R. J., et al., jt. authors, 699.
Standfast, A. F. B. See Pile, M., et al., jt. authors, 1160.
Stanger, D. W. See Steiner, P. E., et al., jt. authors, 1806.
Stanley, N. F., & Mills, J. A., 1172.
Stapledon, R. G., 1099.
Stare, F. J. See Hegsted, D. M., et al., jt. authors, 1812.
Staub, A., 291.
Staufer, V. D., Mugaburu, L. G., & Rey de Castro, A., 1872.
Stavitsky, A. B. See Lee, H. F., jt. author, 14.
Steedman, H. F., 1720.
Steel, J. D., & Wyke, B. D., 1831.
Steenken, W., & Wolinsky, E., 1347.
Steenken, W., Jr. See Wolinsky, E., jt. author, 740.
Stéfanopoulo, G., Caubet, P., & Duvolon, S., 41.
—, & Étévé, J., 37.
—. See also Roubaud, E., et al., jt. authors, 40.
Stefánski, W., 1351.
Stegena, T., 15.
Stein, C. D., & Rogers, H., 1400.
Steinberg, A. See Feiner, R. R., et al., jt. authors, 293.
Steinberg, B., & Hufford, V., 1369.
Steiner, A., & Kendall, F. E., 538.
Steiner, P. E., Stanger, D. W., & Bolyard, M. N., 1806.
Steinhaus, E. A., & Hughes, L. E., 486.
Stenhagen, E. See Ställberg-Stenhagen, S., jt. author, 1495.
Stenius, P. I., 491.
Sténson, B., 2248.
Stephens, G. A., 1939.
Sterk, V., 29.
Sterne, M., 7.
Stevenson, J. W., Helson, V. A., & Reed, G. B., 1750.
Steward, J. S., 95, 684, 1175, 1176.
Stewart, D. D. See Pile, M., et al., jt. authors, 1160.
Stewart, F. H., 660, 852.
Stewart, H. C., & May, J. R., 2030.
Stewart, H. L., Grady, H. G., & Andervont, H. B., 349.
—, & Lorenz, E., 114.
—. See also Lorenz, E., jt. author, 117.
Stewart, W. L., 439.
Steyn, D. G., 1337.
Steyn, H. P. See Neitz, W. O., jt. author, 1431.
Stiles, W., 825.
Stoddart, L. A., & Rasmussen, D. I., 1711.
Stoerk, H. C., Eisen, H. N., & John, H. M., 2204.
—. See also Knowlton, A. L., et al., jt. authors, 1359.
Stokes, J., Jr. See Neefe, J. R., jt. author, 1996.
Stolz, A., 1010.
Stone, J. D. See Burnet, F. M., jt. author, 1998.
—. See also Burnet, F. M., et al., jt. authors, 1790.
Stone, R. W., & Farrell, M. A., 782.
Stone, W. S. See Wyss, O., et al., jt. authors, 1940.
Stover, D. E. See Hoffman, H. A., et al., jt. authors, 22.
Straley, E. J. See Thorp, W. T. S., et al., jt. authors, 1848.
Strandskov, F., & Wyss, O., 1345.
Strieber, W. R., 987.
Strobino, L. E. See Grosso, A. M., et al., jt. authors, 104.
Strominger, J. L., 589.
Strong, L. C., 119.
Strozzi, P., 1588.
Stuart, C. A. See Borman, E. K., et al., jt. authors, 1265.
Stuart, H. O. See Cunningham, C. H., jt. author, 496, 697.
Stubbs, E. L., 857.
—. See also Live, I., jt. author, 1748.
Stuparié, D., 1220.
Stura, C. A., 217, 1068.
—. See also Quevedo, J. M., Jr., et al., jt. authors, 488.
Sturdza, S. A. See Combiescu, D., jt. author, 326.
Stuurman, S., 411.
Sulkin, S. E., & Zarafonetis, C., 1509.
—. See also Wisseman, C. L., Jr., jt. author, 2220.
Summers, W. A. See Harris, J. S., jt. author, 786.
Sureau, B., 77.
Suter, E. See Bloch, H., et al., jt. authors, 456.
Sutherland, A. K., 1266.
—, & Simmons, G. C., 278.
—. See also Moule, G. R., jt. author, 1278.
Sutlić, A., 482.
—, & Miklaušić, B., 798.
Sutton, G. D., 832.
—, & Marais, S. J. S., 1767.
Sutton, T. S. See Hibbs, J. W., et al., jt. authors, 530.
Svedberg, T., 2315.
Svendsen, M., Amlie, R., & Henriksen, S. D., 1947.
Swahn, O., 2234.
Swales, W. E., 480, 2173, 2174.
—, & Benham, G. H., 2172.
Swan, C., & Tostevin, A. L., 1388.
Swangard, W. M., 2086.
Swift, H. F., 1240.
Swift, R. W., Thacker, E. J., Black, A., Bratzler, J. W., & James, W. H., 1459.
Swyer, G. I. M., 2084, 2085.
Synge, R. L. M. See Morgan, W. T. J., jt. author, 1854.
Syverton, J. T., & Larson, C. L., 1782.
Szyfres, B., & Trenchi, H., 708.
—. See also Calzada, V., jt. author, 112.

T

Tabusso, M. E., 141.
Tager, M., & Hales, H. B., 1550.
Tanabe, T., & Salisbury, G. W., 772.
Tanguy, Y. See Chorine, V., jt. author, 517.
Tarkhova, See Yakovlev, et al., jt. authors, 1674.
Tarr, A., 2092.
Tarussof, B. N., 680.
Taterka, W., 753.
Tatum, E. L., & Lederberg, J., 1953.
Taylor, I. W., 1687.
Taylor, L. W., 1474.

Taylor, R. M. See Laemmert, H. W., et al., jt. authors, 1295.
Teeri, A. E., Keener, H. A., & Morrow, K. S., 1215.
Teeter, K. G. See Bartlett, D. E., et al., jt. authors, 1761.
Teichmann, R., & Allendorf, B., 1478.
Teixeira, O. See Dias, V. S., jt. author, 1070.
Telford, I. R. See Mason, K. E., jt. author, 1475.
Temperton, H., 521, 2011.
—, & Dudley, F. J., 1112, 1463.
—, —, Bythell D. W. P., & Parker, W. H., 302.
Tendeiro, J., 1281.
Terpstra, J. L. See Post, R., jt. author, 2233.
Terrell, N. See Jungherr, E., jt. author, 494.
Terrill, C. E., & Hazel, L. N., 391.
Teunissen, G. H. B., 602, 1531.
Thacker, E. J. See Swift, R. W., et al., jt. authors, 1459.
Thérien, M. See Dugal, L.-P., jt. author, 2097.
Thibault, O. See Schaeffer, G., jt. author, 157.
Thiery, J. P., 673.
Thigpen, M. P. See Richard, E. R., et al., jt. authors, 65.
Thomas, A. R., Jr. See Levine, M., jt. author, 1844.
Thomas, J. W. See Spielman, A. A., et al., jt. authors, 526, 527.
Thomas, L., & Peck, J. L., 492.
Thompson, J. F. See Ellis, G. H., jt. author, 223.
Thompson, J. W. See Maver, M. E., et al., jt. authors, 515.
Thorburn, J. A., 2043, 2218.
Thorell, B., & Wilton, A., 716.
Thorp, F., Jr. See Feenstra, E. S., jt. author, 652.
Thorp, W. T. S., Gordeuk, S., Jr., Glantz, P. J., & Learned, M., 1974.
—, Uhrik, I. J., & Straley, E. J., 1848.
Thorsson, K. G. See Ornstein, O., jt. author, 1855.
Tierkel, E. S., 1981.
Tilley, F. W., & Anderson, W. A., 1446.
Timmermanns, I. J., 2292.
Tinney, H. R., 2072.
Tisseur, H. See Lucam, F., et al., jt. authors, 1319.
Tissot, A. N. See Blakeslee, E. B., et al., jt. authors, 2216.
Toabe, R. See McClung, L. S., jt. author, 1061.
Todd, E. W. See Herbert, D., jt. author, 5.
Todd, F. A., 1379, 1697.
Tötterman, G., 1802, 1803.
du Toit, P. J., 1645.
du Toit, R., 1354, 1619.
—, & Kluge, E. B., 1798.
Toja, G., 2125.
Tomcsik, J., 1795.
Tomlinson, K. M., 1742.
Tompsett, R., Shultz, S., & McDermott, W., 562.
Toop, C. R., 18.
Tostevin, A. L. See Swan, C., jt. author, 1388.
Tovar, R. M., 658.
Townson, R. S., 319.
Trager, W., 1429.
Traum, J. See Haring, C. M., jt. author, 854.
—. See also Haring, C. M., et al., jt. authors, 672.
Travis, B. V. 1676.
Trenchi, H. See Szyfres, B., jt. author, 708.
Trentin, J. J., & Turner, C. W., 1538.
Tripathi, P. C., 1180.
Troitskiĭ, N. V., 406.
Tropa, E., & Dias, S., 93.
—, & Valente, S., 64.
Trout, G. M. See Peters, I. I., jt. author, 592.
Trovato, O. See Quevedo, J. M., Jr., et al., jt. authors, 488.
Troyanovskiĭ, D. P. See Pichugin, V. M., et al., jt. authors, 210.
Trudel, F., 1745.
Truex, R. C., & Copenhaver, W. M., 2066.
Truhaut, R. See Sannié, C., et al., jt. authors, 1457.
Trumble, H. C., 2012.
Trumper, M. See Cantarow, A., jt. author, 1247.
Trussell, P. C., Fulton, C. O., & Grant, G. A., 2035.
Trussell, R. E., 1762.
Tschermak, K., 2069.
Tselishchev, A. A., 58.
Tsion, R. A., 1567.
—, & Ovchinnikov, S. M., 2145.
Tsongas, A. G. See Hegsted, D. M., et al., jt. authors, 1812.
Türk, E., 266.
Tulasne, R., 590.
Turcotte, H. See Morin, J. E., jt. author, 1985.
Turk, K. L., 525.
—. See also Spielman, A. A., et al., jt. authors, 526, 527.
Turner, C. W., 1888.
—, Kempster, H. L., & Hall, N. M., 2016.
—, & Reineke, E. P., 978.
—. See also Koger, M., jt. author, 393.
—. See also Trentin, J. J., jt. author, 1538.
Turton, E. C. See Florey, M. E., et al., jt. authors, 754.
van Ty, D. See Brumpt, E., jt. author, 53.
Tykač, B., 1604.

U

Uhrik, I. J. See Thorp, W. T. S., et al., jt. authors, 1848.
Ukrainczyk-Laborie, F., & Laborie, R., 1205.
Ulibarri, F. F., 83.
Unger, J., 429.
Unsworth, K., & Gordon, R. M., 2002.
Upholt, W. M., 580.
—. See also Ferguson, F. F., et al., jt. authors, 581.
Upp, C. W. See Mixner, J. P., jt. author, 608.
Urbányi, L. See Marek, J., et al., jt. authors, 1320.

V

Vahlne, G. See Kauffmann, F., jt. author, 1954.
Vaills, L., 63, 2225.
Vaisman, A., 875.
—. See also Levaditi, C., jt. author, 173.
Valcárcel, F. F., 312.
Valdés, A. R., 765.
Valente, S. See Tropa, E., jt. author, 64.
Vallentin, G., 1166.
Vandeplassche. See Peeters, et al., jt. authors, 977.
Vanderplank, F. L., 957.
—. See also Potts, W. H., jt. author, 191.
Varela, G., & Olarte, J., 282.
Varenne, H., 907.
Varićak, T., 588, 976.
Varnadoe, N. B. See Rigdon, R. H., jt. author, 1977.
Vasil-chenko, I. V. See Isaenko, E. P., jt. author, 460.
Vasta, S. See Caltabiano, D., jt. author, 2203.
Vatovec, S., 2311.
Vawter, L. R., & Records, E., 537.
Vaysse, 2241.
Vaz, Z. See Pinto, C., jt. author, 22, 97.
Veenendaal, H., 325.
Veiga, J. S., 2290.
Vennesland, K., Ebert, R. H., & Bloch, R. G., 1667.
de Vera, V. R., 1623.
de Vergara, J. H. C. See Cecilia, C. A., jt. author, 1950.
Verge, J., 467, 479, 690, 719, 2150, 2156.
Verlinde, J. D., & Bekker, J. H., 1405.
—, & Winsser, J., 1648.
—, —, & Kret, A., 1033.
Verlinde, J. O. See Hagedoorn, A. L., et al., jt. authors, 1237.
Verwey, W. F., 856.
Vestal, C. M. See Shrewsbury, C. L., jt. author, 1106.
Viridén, P., 1853.
Viswanathan, G. R., 724.
—, Pillay, M. R., & Ayyar, S. V., 863.
Vittone, R., 134.
Vogel, J., & Gomes, A., 425.
Vogelsang, E. G., & de Armas, J., 35.
Vogelsang, T. M., & Böe, J., 1666.
Volk, W., 2152.
Volkert, M., & Horsfall, F. L., Jr., 895, 1442.
Voloskov, P. A., & Shilova, N. G., 1226.
Voloskova, A. P., 1227.
Volterrani, A., 642.
Vorob'eva, A. N., & Pokrovskiĭ, S. A., 1182.
Vraa-Jensen, G. See Okkels, H., jt. author, 2302.
Van Vranken, M., 17.
Vukelić, E., 2251.
Vyshelesskiĭ, S. N., 2146.

W

Wachtel, H. K., 113.
Wagenaar, G., 421.
Wagener, K., 2324.
Wagner, J. C. See Golub, O. J., jt. author, 1786, 2197, 2198.
van Wagtendonk, W. J., & Lamfrom, H., 383.
Wahby, A. M., & Hilmy, N., 2120.
Waksman, S. A., Bugie, E., & Schatz, A., 175.
—, Geiger, W. B., & Reynolds, D. M., 174.
—, & Reilly, H. C., 216.
—. See also Schatz, A., jt. author, 177.
Waldo, C. M. See Fawcett, D. W., et al., jt. authors, 1370.
Walker, J. W., 946.
Walker, R. V. L., 891.
—, & Olafson, P., 314.
Walkey, F. L. See Doyle, L. P., jt. author, 543.
Wall, S., 504.
Wallace, W. S., & Mackenzie, R. D., 850.
Walldén, L. See Lindgren, S., jt. author, 1519.
Waller, E. F., 493.
—, Prince, F. S., Hodgdon, A. R., & Colovos, N. F., 939.
Wallgren, I., 1881, 1882, 1883.
Wallinga, M. H. See Millenbruck, E. W., jt. author, 1196.
Walls, L. P. See Brownlee, G., et al., jt. authors, 1349.
Wang, Y. L. See Moore, T., jt. author, 384.
Ward, A. H., 994.
Ward, A. R., 3.
Ward, J. L. See Atkins, P., jt. author, 961.
Ware, F., 1912.
Warner, S. G. See Murray, W. S., jt. author, 1097.
Warnock, G. M., & Duckworth, J., 600.
Warren, S. See McPeak, E., jt. author, 120.
Waterhouse, D. F., 1303.
—, & Fuller, M. E., 1679.
Waters, N. F., 2009.
Watson, 1001.
Watson, B. See Wood, W. B., Jr., et al., jt. authors, 1738.
Watson, D. W., Cromartie, W. J., Bloom, W. L., Heckly, R. J., McGhee, W. J., & Weissman, N., 8.
—. See also Bloom, W. L., et al., jt. authors, 9.
Watt, J. A. See Stamp, J. T., jt. author, 651.
Watts, P. S., 1034.
Weadon, M., 968.
Wehr, E. E., & Farr, M. M., 948.
—. See also Farr, M. M., jt. author, 683.
Weiss, A. B. See Florman, A. L., et al., jt. authors, 743.
Weiss, E., 1690.
Weissman, N., & Graf, L. H., 10.
—. See also Watson, D. W., et al., jt. authors, 8.
Weitz, B., 1046, 2136.
—, & Langridge, R., 1047.

Welch, A. D. See Latven, A. R., jt. author, 2036.
Wellmann, O. See Marek, J., et al., jt. authors, 1320.
Wells, A. Q., & Robb-Smith, A. H. T., 2131.
Wells, E. B. See Sheppard, C. W., et al., jt. authors, 1822.
Wells, W. F., 1926.
Wenrich, D. H., 1763.
Werner, H., 967.
Wesselinoff, W., 664.
West, D. E., & Borman, E. K., 1716.
West, R. L., 415.
Weston, R. E., & Karel, L., 1834.
Weswig, P. H., Freed, A. M., & Haag, J. R., 1341.
Wetzel, V. See Hadley, P., jt. author, 452.
Wharton, D. R. A., 108.
Wheeler, K. M. See Borman, E. K., et al., jt. authors, 1265.
Whiffen, A. J., & Savage, G. M., 399.
Whipple, G. H., Miller, L. L., & Robscheit-Robbins, F. S., 1887.
—. See also Miller, L. L., et al., jt. authors, 1818.
White, A., 587.
White, D. G., 789.
White, P. B., 1553, 2305.
White, R. S., 905.
White, R. W., 2307.
Whiting, F. See Spielman, A. A., et al., jt. authors, 526.
Whitlock, J. H., 1028, 2226.
Whitten, L. K., & Filmer, D. B., 2230.
Whitten, W. K. See Carne, H. R., et al., jt. authors, 1078.
Wiant, D. E., 1920.
Wickham, N. See Carne, H. R., et al., jt. authors, 1078.
Wicks, L. F., Carruthers, C., & Richey, M. G., 219.
Wickware, A. B., 598, 1073.
Widdicombe, M. See Mason, J. H., jt. author, 677.
Widstroem, G., 260.
Wight, A. E., 1045.
Wiktor, T. See Lesbouyries, jt. author, 995.
Wild, H., 1839.
Wilde, J. K. H., 903.
Wilkinson, A. G., & Zinnemann, K., 2261.
Willard, W. R., 992.
Willems, R., 860, 1062.
—. See also Florent, A., jt. author, 2169.
Willett, E. L., Henke, L. A., & Maruyama, C., 1104.
Williams, D. W., 1913.
Williams, R. E. O., & Harper, G. J., 1736.
Williams, R. T., 1933.
Willis, J. S., 803.
Williston, E. H., & Youmans, G. P., 645.
Willman, J. P., Loosli, J. K., Asdell, S. A., Morrison, F. B., & Olafson, P., 960.
Wilson, D. C. See Murray, M. M., jt. author, 549.
Wilson, G. S., 2130.
Wilson, J. E., 665, 1333.
Wilson, P. W., & Burris, R. H., 1885.
Wilson, S. G., 1238.
Wilton, A. See Thorell, B., jt. author, 716.
Wilwerth, A. See Gióvine, N., et al., jt. authors, 31.
Winblad, S. See Holmberg, C. G., jt. author, 451.
Winder, C. V., 1516.
Winkler, A. W. See Danowski, T. S., et al., jt. authors, 523.
Winqvist, G., 1324.
Winslow, N. S. See Brandly, C. A., et al., jt. authors, 896.
—. See also Hanson, R. P., et al., jt. authors, 696.
Winsser, J. See Verlinde, J. D., jt. author, 1648.
—. See also Verlinde, J. D., et al., jt. authors, 1033.
Winterhalter, M., & Erlich, I., 514.
Wirth, D., 1828, 2185.
Wise, H. See Robertson, O. H., et al., jt. authors, 989.
Wislocki, G. B., & Dempsey, E. W., 2271.
—. See also Dempsey, E. W., et al., jt. authors, 1521.
—. See also Fawcett, D. W., et al., jt. authors, 1370.
Wisseman, C. L., Jr., & Sulkin, S. E., 2220.
Wissler, R. W., 2013, 2014.
de Wit, J. J. D. See Bretschneider, L. H., jt. author, 2115.
Witte, J., 187.
Wittler, R. See Pillemer, L., et al., jt. authors, 1277.
Wolcott, R. H., & Powell, E. F., 2116.
Wolf, A. See Kabat, E. A., et al., jt. authors, 1294.
Wolf, S., 646.
Wolff, E., & Wolff, E., 2088.
—. See also Wolff, E., jt. author, 2088.
—. See also Steenken, W., jt. author, 1347.
Wolinsky, E., & Steenken, W., Jr., 740.
Wolman, I. J., Evans, B., & Lasker, S., 792, 793.
Wood, C. See Pirie, A., jt. author, 528.
Wood, W. B., Jr., Smith, M. R., & Watson, B., 1738.
Woodard, G., Ofner, R. R., & Montgomery, C. M., 552.
—. See also Draize, J. H., et al., jt. authors, 2313.
Woodbine, M., 1668.
Wooldridge, W. R., 625.
Woolley, D. W., & Sprince, H., 1101.
Worden, A. N., 1026, 1230.
Worth, H. M. See Scott, C. C., jt. author, 1723.
Wramby, G. O., 1264.
Wright, E. C. See Doyle, T. M., jt. author, 1288.
Wright, J., 990.
Wright, J. G., 235.
Wright, M. L., 464.
Wright, S. E. See Riek, R. F., jt. author, 169.
Wu, C. C., Ghosh, S. M., McClymont, A. G., & Roy, D. N., 954.
Wu, S. F., & Yen, P. S., 2187.
Wyckoff, W. G. See Scott, D. B., jt. author, 788.
Wyke, B. D. See Steel, J. D., jt. author, 1831.
Wynne, R. L., 416.
Wyss, O., Stone, W. S., & Clark, J. B., 1940.
—. See also Strandskov, F., jt. author, 1345.

Y

Yager, R. H., & Gleiser, C. A., 405.
Yakovlev, L. A., 2017.
Yakovlev, Komarov, & Tarkhova, 1674.
Yakushev, V. I., 1217.
Yatom, J., 898.
Yegian, D., & Kurung, J., 1259.
Yen, P. S. See Wu, S. F., jt. author, 2187.
Youmans, G. P., 741.
—, & Karlson, A. G., 570.
—, & McCarter, J. C., 742.
—. See also Williston, E. H., jt. author, 645.
Young, I. M. See Barcroft, J., jt. author, 2053.
Young, L., 1836, 1921.
Yu, P. C. See de Burgh, P. M., et al., jt. authors, 1997.
Yuan, I. C. See Ho, E. A., et al., jt. authors, 876.
Yvore, G. See Goret, P., jt. author, 893.

Z

Zábojnik, A., 1606.
Zabud'ko-Reingardt, T. N. See Reĭngardt, L. V., jt. author, 193.
Zaĭtseva, A. G. See Adutskevich, V. A., jt. author, 1653.
Zakharina, D. I., 1578.
Zaki, O. A. See Morcos, Z., et al., jt. authors, 1965, 2140.
Zaki, R. See Morcos, Z., et al., jt. authors, 1965, 2140.
Zal'tsmann, A. A., 2284.
—. See also Neĭman, O. F., jt. author, 1902.
Zambruno, D. See Lenti, C., jt. author, 1583.
Zamecnik, P. C., Brewster, L. E., & Lipmann, F., 1962.
—, & Lipmann, F., 2154.
Zarafonetis, C. See Sulkin, S. E., jt. author, 1509.
Zarnowski, E., 1685.
Zayanchkovskiĭ, I. F., 2049.
Zeissig, A., & Korns, R. F., 689.
Zevin, S. S. See Silver, M. L., et al., jt. authors, 1632.
Zimmermann, G., 2089.
Zinnemann, K. See Gordon, J., et al., jt. authors, 1874.
—. See also Wilkinson, A. G., jt. author, 2261.
Zintek, A. R., 1609.
Zoñjevsky, V., 1602.
Zschokke, W. See Gräub, E., et al., jt. authors, 454.
Zubaj, J., 68.
Zuliński, T., 1772.
Zumpt, F., 342.

ERRATA

p.210, abst. **928**, 4th para. For "Skavelsjuka," read "Skravelsjuka."

p.252, abst. **1088**. The last sentence should read:—"The amounts of antigen and antibody required to elicit a standard reaction according to the various routes of inoculation used were estimated in terms of protein nitrogen."

p.331, For abstract number "**1927**," read "**1427**."

p.459, In line 3, for "intracerebrally," read "intranasally."

SUBJECT INDEX

The index is constructed fundamentally from the titles of articles, which may not indicate all the points of interest in the abstract or original. Readers should therefore always search the main headings and the "general" sub-headings for points of special interest:—*e.g.* for references to the control of bovine brucellosis, see "Brucella Infection, general" and "Brucella Infection, in cattle" in addition to "Brucella Infection, control." General headings should also be searched for particular parasites. For drug treatment, see under name of condition treated.

A

ABATTOIRS. Techniques in the modern abattoir, **189.**
See Food Inspection, meat.
ABDOMINAL CAVITY. Fragments of insects in, **89.**
ABOMASUM. See Digestive System, stomach.
ABORTION. Inapparent abortion with resorption of the embryo, **2291.**
See also Brucella Infection; Erysipelothrix Monocytogenes Infection; Salmonella Infection; Trichomonas Infection; Vibrio Foetus Infection.
ABORTION, EQUINE VIRUS. Infection in foetuses and foals, **2091.**
ACCLIMATIZATION. See Temperature, body; Temperature, Environmental; Heat Regulation.
ACETIC ACID. See Bacteria, general.
ACETYLCHOLINE. Effects of magnesium ions and creatine phosphate on synthesis of autylcholine, 2052.
ACRIDINE COMPOUNDS. See Eimeria Infection (Coccidiosis), in rabbits.
ACROPACHY. See Fowls, diseases general.
ACTINOBACILLOSIS. Histological differentiation from actinomycosis, **861**; parasitic bronchitis in calves associated with *Actinobacillus actinoides* infection, **1755.**
ACTINOMYCOSIS. High incidence in cattle following burning-off of peat country, **1066**; in man and animals, **1756**; mycotic dermatitis in cattle, **1278**; treatment with mercuric chloride in cattle, **2039**; histological differentiation of actimycosis and actinobacillosis, **861.**
ACTINOMYCES FARCINICUS. In cattle in Colombia [skin tuberculosis], **475.**
ACTINOMYCES FUSIFORMIS. See Fusiformis Necrophorus Infection.
ACTINOMYCES MURIS. *Streptobacillus moniliformis* and the morphology of its variants, **1964.**
ACTINORUBIN. See Antibiotics, actinomyces products.,
ADENOMATOSIS, PULMONARY. Tallebudgera disease of horses in Queensland resembling jaagziekte, **2317**; in the g. pig resembling jaagziekte, **1805**; pulmonary adenomatosis [relation to jaagziekte], **916**; pulmonary adenomatosis in man resembling jaagziekte, **348.**
ADIPOSE TISSUE. See Vitamins, vitamin E.
ADRENAL GLAND. Action of adrenalin on uterus of sheep, **1705**; adrenalin-sensitive vaso-dilatation in ungulates, **1507**; adrenalin in sweat of horses, **156**; effects of adrenaline on thyroid activity, **157**; desoxycorticosterone acitate. Its potentiation by sodium chloride, **1359**; adrenocorticotrophic hormone, **158**; effects of desoxycorticosterone on lactation in adrenalectomized rats, **963** and **964**; insuffciency of cortical hormone, **965**; acetalphosphatides in adrenals of geese, ducks, fowls and turkeys, **1220**; effect of adrenalectomy on the mammary gland of castrated and oestrogen treated castrated male rats, **1538**; Poisoning by sausages made from adrenal gland tissues, **2253.**
ADYNOL. See Ketosis.
AEROPLANES. Veterinary problems of air transport, **414**; use of mosquito control, **342**; aeroplane exhausts for generating D.D.T. aerosols, **1200.**
AEROSOLS. See Parasiticides.
AEROSPORIN. See Antibiotics, various.
AFRICA. See Books, historical; Leptospira Infection, in man; Lumpy Skin Disease and Reports.
AGALACTIA. See Lactation.
AGALACTIA, CAPRINE CONTAGIOUS. In goats in Portugal, **476.**
AGAVE LECHEGUILLA, 727.
AGENE. See Hysteria, canine.
AGGLUTINATION. Agglutinins for *T. foetus* in vaginal mucus, **48**; rickettsial agglutinins in urine, **77.**
See also Immunology, haemagglutination and haemagglutination-inhibition.
AIR-BORNE INFECTION. Lethal effect of relative humidity on air-borne bacteria, **1759**; air transmission of respiratory infections, **1566**; experimental rooms for study of air-borne infections, **989**; modern methods for control of air-borne infections, **990**; present status of control of air-borne infections, **991**; disinfection of air, **1894**; Disinfection of clouds of psittacosis virus by triethylene glycol vapour, **1512**; Aerial disinfection by glycols and other chemicals, **1510** and **1511.**
ALCOHOL. See Antibiotics, various.
ALGERIA. See Pox Diseases, general; Skin, diseases.
ALKYLOXYTRIAZINES. See Histamine.
ALPACA. See Mange, general.
ALTMANN'S STAIN. See Technique, staining.
AMBLYOMMA. See D.D.T.
AMERICA. See Milk and Milk Products, general.
AMIDOSTOMUM. In geese, **1314.**
AMINO ACIDS. In the production of granulocytes in rats, **1636.**
AMOEBA. Elimination of bacteria from cultures of *Endamoeba histolytica*, **1585.**
AMPHISTOMA. Enteritis in goats due to immature amphistomes, *Cotylophoron cotylophorum*, **910.**
AMYLOID DISEASE. In mice on modified diets, **713**; Congo Red test for amyloid disease, **795.**
See Technique, staining .
ANAEMIA. Anaemia and hypoproteinaemia, **1818**; nutritional anaemia in mink, **926**; organic factors for prevention of anaemia in chicks, **1125**; tapeworm anaemia, **1802**; pathogenesis of tapeworm anaemia, **1803.**
ANAEMIA, EQUINE INFECTIOUS. "Swamp Fever" in New England, **1773**; in Sweden, **818** and **819**; diagnosis, **888**; crystal violet vaccine, **1013**; regarded as an enterotoxaemia, **1326**; antagonism of babesia to virus, **1077**; concurrent equine infectious anaemia and piroplasmosis, **1996.**
See also Influenza, in horses.
ANAESTHESIA. New anaesthetic for horses, **1196**; by refrigeration, **1195**; gas anaesthesia of domestic animals, **752**; general anaesthesia in ruminants, **1508**; apparatus for inhalation anaesthesia, **2309**; influence of anaesthesia on neurotropic virus infections, **1509.**
See also Books, veterinary medicine.
ANAPHRODISIA. See Sex Hormones, oestrogens.
ANAPLASMA INFECTION. In animals other than cattle, **686**; in horses by *A. equi*, **687**; in Portuguese Guinea, **1281**; Experimental anaplasmosis and chemotherapy, **1980**; Blood transfusions in treatment, **2176.**
ANATOMY. Vertebral column and spinal musculature, **162**; deviation of the vertebral column under action of weight, **163.**
See also Books.
ANDRACHNE DECAISNEI, 1145.
ANOESTRUS. See Sex Hormones, oestrogens.
ANOPHELES. See Arthropods.
ANTELOPES. See Pleuropneumonia, Contagious Bovine.
ANTERGAN. See Laminitis.
ANTHELMINTICS. For strongylosis and ascariasis in horses, **1685**; hexachlorethane-bentonite suspension for liver fluke, *D. lanceolatum*, **1455**; lead arsenate for lambs with tapeworm infestation, **195**; Brilliant green and gentian violet for parasitic gastro-enteritis in sheep, **196**; Ten per cent cunic for parasitic gastroenteritis in sheep, **2226**; N-butyl chloride for ascaris in pigs, **433**; sodium fluoride as an anthelmintic for swine, **1684**; Hydrogen peroxide treatment for helminth infections in dogs, **111**;

ANTHELMINTICS—[cont'd.].
control of internal parasites of dogs, **2227** and **2228**; triphenylmethane derivatives, **408**; alkalis and alkaline earths, **1187**; urine as a larvicide, **1353**.
See also Fasciola; nematodes; Phenothiazine.
ANTHRACOID BACILLI. See Bacillus Subtilis.
ANTIBODIES. See Immunology.
ANTIGENS. See Immunology.
ANTIBIOTICS.
General. Laboratory observations on antibiotics, **1844**; from fungi and bacteria, **172**; nature and action of, **171**.
See also Penicillin; Staphylococci, general; Technique, bacteriology.
Aspergillus Products. The penicillin produced by *Aspergillus parasiticus*, **2031**; Gliotoxin produced by *A. fumigatus*, **1172**.
Actinomyces Products. Fur antibiotics produced by a streptomyces, **2035**; Chloromycetine, therapeutic activity in rickettsial and virus infections, **1868**; Lavendulin and Actinorubin, **2262**; production of actinomycin, **174**; isolation from soil microorganisms with special reference to streptothricium and streptomycin, **175**; development of bacterial resistance to streptomycin, **2034**; factors influencing activity of streptomycin, **739**; microtechnique for assay of streptomycin, **403**; biological aspects of dihydrostreptomycin, **1163**; streptomycin sensitivity test, **1665**; thromboplastic properties of streptomycin, **2032**; pathologic changes caused by streptomycin, **1488**; streptomycin dosages, **1487**; therapeutic use, **1161**; effect of streptomycin on *Mycobact. tuberculosis*, **741**; effect of streptomycin on tubercle bacillus, **740**; streptomycin and experimental TB, **176**; effect of streptomycin and other antibodies on *Mycobacterium* spp., **177**; streptomycin sensitivity of tubercle bacilli, **570**; effect of streptomycin on metabolism of benzoic acid by mycobacteria, **2033**; streptomycin—resistant variants of human type TB, **1667**; streptomycin in *S. pullorum* infection, **1348**; sensitivity of salmonella and shigella to streptomycin, **1666**; streptomycin treatment of *E. rhusiopathiae* in mice, **1668**; mode of action of streptomycin on *H. influenzae*, **1856**, **1857**; action of streptomycin on *B. subtilis*, **1859**; effect of streptomycin on avian malaria, **1978**.
See also Mycobact. Tuberculosis Infection, treatment.
Penicillin. See Penicillin.
Various. Colistatin, a new antibiotic, **731**; subtilin, toxicity for embryonic tissues, **732**; antibacterial property of tunny fish liver oil, **746**; antibiotics from green plants, **1173**; inhibition of bacteria by thiopyrimides, **1345**; Aerosporin, a selective gram-negative antibiotic, **1494**; anti-gramicidin immune serum, **1854**; bactericidal action of alcohols, **1855**; inhibition of *Mycobact. tuberculosis* by mycocidin, **647**; crystalline antibacterial substance from lichen *Ramalina reticulata*, **560**; nisin an inhibitory substance from lactic streptococci, **1169**; tomatin an antibiotic from tomatoes, **947**; clitocybin, a fungal product, action on tubercle bacilli, **178**; antibacterial action of some aromatic amines, amidines, amidoxins, guanidines and diguanides, **1843**.
ANTICONVULSANTS. See Therapeutics.
ANTIDOTES. Sulphhydryl-containing substances in mercurial poisoning, **201**.
See also BAL.
ANTIHISTAMINES. See Histamine.
ANTIMONY. Trypanocidal action of antimony as aminophenylstibinate methylglucamine, **1174**.
See also BAL.
ANTIVITAMINS. Antivitamins as cause of beri-beri in foxes, **1824**; antithiamine activity of bracken, **1341**.
ANUS. See Nutrition and Nutritional Diseases, general.
ARCTIC DOG DISEASE. See Rabies.
ARGAS. See Parasiticides; Ticks; Spirochaeta Infection, avian. **349**.
ARSENIC. Poisoning of man by cattle-dipping tanks, **550**.
See also Ticks, general and diseases transmitted by.
ARGINASE. See Udder.
ARMY VETERINARY SERVICES IN INDIA. See Reports, India.
ARSENIC. Rapid test for arsenical dips, **747**; distribution of arsenic in fleece of sheep after dipping, **1713**; effect of BAL on concentration of arsenic in blood of cats, **1360**; treatment of arsenical poisoning with the dithiols [BAL], **966**; treatment of arsenical poisoning, **751**.
See also Trypanosoma Infection, treatment.
ARTEMISIA. See Nematodes; Poisoning, plants.
ARTERIOSCLEROSIS. See Circulatory System.
ARTHRITIS. Treatment with salts of copper, **1873**; treatment by lactic acid injection, **959**.
ARTHROPODS. Fragments of insects in the abdominal cavity of pigs, **89**; parasites of dogs and foxes in Victoria, **2222**; behaviour of pathogenic organisms in haemotophagous insects, **1617**; anthrophilic indices of Indian *Anopheles*, **905**; gonotrophic discordance in *Anopheles*, **904**.
See also Books, parasitology; D.D.T.; Gammexane; Ticks; Yellow Fever.
ARTIFICIAL INSEMINATION. See Insemination, Artificial and Genital System, serum and spermatozoa.
ASCARIS. In the heart of a horse, bile duct of a ram and mesentery of a child, **97**; susceptibility of ascarids to chlorinated hydrocarbons, **1686**.
See also Anthelmintics; Nematodes.
ASCORBIC ACID. See Vitamins, vitamin C.
ASPERGILLUS. See Antibiotics.
ASSAM. See Pleuropneumonia, Bovine Contagious; Rinderpest.
ASTHMA. See Histamine.
ATAXIA. Paraplegia of lambs (Peruvian renguera), **141**; swayback and disseminated sclerosis, **139**, **140**.
ATHEROSCLEROSIS. See Circulatory System.
AUJESZKY'S DISEASE. First case from China, **883**.
AUSTRALIA. See Bartonella Infection; Fasciola; Insemination, Artificial; Pleuropneumonia, Bovine Contagious; Reports; Spirochaeta Infection, general; Services, Veterinary and Zootechny.
AUSTRIA. See Carcasses.

B

BABESIA INFECTION [PIROPLASMOSIS].
General. The piroplasmosis of French West Africa, **1430**; freeing animals from piroplasmosis, **404**; new species from camel, sheep and goat in Egypt, **309**; novoplasmin in treatment of ovine piroplasmosis, **1979**.
In Cattle. Identity of schizonts of *B. bigemina* with *Luhsia bovis*, **307**.
In Dogs. Canine piroplasmosis, **482**; transmission of *B. canis* to jackals, **1431**; cerebral babesiasis, **308**; hyperacute canine babesiasis, **1432**; piroplasmosis and anaplasmosis of animals other than cattle, **686**; method of diagnosis, **218**; in Madagascar, **55**.
In Horses. Concurrent equine infectious anaemia and piroplasmosis, **1996**; antagonism between babesia and the virus of E.I.A., **1077**; *B. caballi* in Portugal, **1070**; formalin for treatment, **1674**; diamidine for treatment, **1503**; formalin for treatment, **186**; jaundice in newborn mule foals not caused by babesia infections, **2207**.
B. ANTHRACIS. In goats in India, **1017**; a variant which fails to form heat-resisting spores, **1553**; viability of spores, **247**; action of stomach contents of the horse on spores, **1252**; action of ascorbic acid on, **1251**; antibacterial effects of calf thymus histone and a quaternary ammonium detergent, **10**; effects of ultra violet irradiation of organism, **1399**.
B. ANTHRACIS INFECTION.
General. A subclinical form in cattle, **831**; subacute case in a bull, **1035**; anthrax meningitis, **1398**; two cases of anthrax in dogs, **1739**; primary pulmonary anthrax, **1254**; an inflammatory factor in entracts of lesions, **8**; physiological changes in experimental animals during infection, **9**; prophylaxis and therapy by serum, **1036**; incidence and therapy, **246**; recovery of spores from vapours of heated suspensions, **1400**; disinfection of anthrax-infected hides, **1513**.
See also Skin, general.
Immunization. Experiments with STI vaccine, **1941**; effectiveness of STI vaccine, **1942**; antigenic composition of dissociation forms, **1555**; protective antigen in cell-free culture filtrates, **1554**; avirulent vaccine, **832**; avirulent spore vaccine, **7**; prophylaxis in Persia by spore vaccine, **1253**; accidental infection of man with a vaccine strain, **2121**.
See also Technique, bacteriology.
BACT. COLI INFECTION. In calf diarrhoea, **1567**; *B. coli* in blood stream of fowls with fowl paralysis, **659**; gene recombination in *B. coli*, **1953**; lethal effect of X-rays on *Escherichia coli* as related to yield of mutants, **1952**; thermolabile antigen, **661**.
BACTERIA, GENERAL. Attempts to demonstrate a nucleus in bacterial cells, **590**; nuclear material of the bacterial cell, **1424**; flagellation and motility, **2164**; papillary variation and bacterial cytology, **660**; the cytoplasmic membrane of the bacterial cell, **1423**; role of capsule in infection and immunity, **1795**; respiration, glycolysis and reproduction of agglutinating bacteria, **1583**; mutative fermentation reactions in bacteria, **843-845**; effects of lipids and serum albumin on bacterial growth, **868**; action of metal chlorids on various bacteria, **397**; bacterial lysis by lysozyme, **293**; growth of colonies and viable population, **294**; viability of heat-activable spores, **295**; spore forming bacteria from agar, **833**; detection of bacteriological toxins in fluids, **680**; pyrogenicity of bacterial contaminants in biologic products, **2258**; Psychrophylic bacteria, **2141**; acetic acid inhibition of gram-negative bacilli *in vitro*, **1746**; nutrition of bacteria, **1422**; bacterial genetics, **1970**; genetics of bacteria, **2163**; bacterial pathogenicity as a biochemical problem, **559**; turbimetric evaluation of bacterial disruption by sonic energy, **2100**.
See also Books.
B. PILIFORMIS INFECTION. In mice, **11**.

B. SUBTILIS. Action on rabies virus, **1435**; lysis of butyrin by lipases of anthracoid bacilli. Relation of pathogenicity lipase activity, **1740**; action of streptomycin, **1859**.
BACT. VISCOSUM EQUI, 23.
BACTERIOPHAGE. Significance of bacteriophage in virus research, **1085**; methods of study, **2000**; host-virus intractions; tryptophane requirements of *B. coli* bacteriophage, **2201**; effect of sublimate on phage protein, **950**; typing of typhoid strains by Vi bacteriophage, **462**; value of phage-typing in typhoid, **849**; ultra-violet inodition during intracellular growth, **324**.
BADGERS. See Wild Animals and Birds.
BAL. Efficacy in poisoning by antimony, bismuth, chromium, mercury and nickel compounds, **1361**.
See also Arsenic.
BARTONELLA INFECTION. In cattle in Australia, **60**; histochemical nature of organisms, **290**.
BASLE. See Services, Veterinary.
BASUTOLAND. See Reports.
BATS. See Rabies.
BCG. See Mycobacterium Tuberculosis Infection, immunization.
BEHAVIOUR, ANIMAL. See Vitamins, vitamin B (thiamine).
BELGIUM. See Cl. Botulinum Intoxication; Trichomonas Infection.
BELLADONNA. See Poisoning, plants.
BENZENE HEXACHLORIDE. See Gammexane.
BENZOIC ACID. See Mycobacteria, general.
BERI-BERI. See Antivitamins.
BIOCHEMISTRY. See Books, chemistry.
BIOTIN. See Vitamins, B complex (biotin).
BIRDSVILLE DISEASE. Of horses in Queensland, **931**.
BLACKHEAD. See Histomonas Meleagridis Infection.
BLACKLEG. See Clostridium Chauvoei Infection.
BLACKQUARTER. See Clostridium Chauvoei Infection.
BLASTOMYCES. A case in a dog, **2158**; cross reactions between blastomycin and histoplasmin, **1302**.
BLOOD.
General. Blood picture of the thoroughbred horse, **1364**; blood picture of light horses, **764**; blood picture in heavy horses, **594**; blood of dairy cattle in India, **596**; blood picture in cases of retained placenta in cows, **1707**; influence of lactation on blood picture of dogs, **1708**; blood picture of chicks before and after infection with *Heterakis gallinae*, **598**; determination of haemoglobin by cyan-haematin method, **1214**; raiding of body tissue protein to form plasma protein and haemoglobin, **1887**; normal haemoglobin value for adult dogs, **2057**; colorimetric determination of haemoglobin, **2314**; the haemogram in the horse, **1216**; a blood pressure reducing substance produced by serum *in vitro*, **1365**; blood pressure and pulse rate in the foetal sheep, **2264**; plethysmograph for dogs, **2310**; proteinaemia in horses, **1518**; chemical composition, physical properties and formed elements in blood of cows at pasture, **1367**; chemical composition of calf blood, **1215**; calcium and potassium levels in blood of cattle grazing wheat, **1820**; effect of oestrogen on calcium, phosphorus and nitrogen of plasma, **1706**; calcium and magnesium in blood of cattle with reference to treatment of metabolic disorders, **1821**; concentration of iron in blood of horses and cattle, **765**; ascorbic acid content of blood serum of farm animals, **534**; thromboplastic properties of penicillin and streptomycin, **2032**; influence of penicillin on coagulation, **1155**.
See Books, haematology; Copper, general.
Corpuscles (Red). Life and death of red corpuscles, **144**; reticulocyte-ripening substances in various organs, **1879**; content of reduced glutathione and its relation to haematopoiesis, **1886**.
See also Immunology, haemagglutination tests; Technique, general.
Corpuscles (White). Leucocytic picture during intradermal tuberculin test, **2128**; leucocyte count in tuberculin reactions, **971**; in trypanosomiasis after treatment, **572**; amino acids and production of granulocytes, **1636**; leucopenia in domestic animals, **1828**; lactation leucopenia in rats, **1643**; effect of leucocytosis-promoting factor of exudates, **2055**.
See also Lymphatic System; Technique, staining.
Diseases. Pernicious anaemia in pigs following pylorectomy, **375**; histomonocytic reticulosis, **240**.
See also Anaemia; Methaemoglobinaemia; Leucosis.
Groups. Determination of blood groups in horses, **1213**; obtaining equine blood serum of groups A and B by means of group O serum, **1212**; in horses in connexion with breeding, **1366**; immunochemical studies of group A substance from pig's stomachs, **78, 79, 80**; influence of heat and formalin on the Rh agglutinogen, **1615**; influence of temperature on isohaemagglutination in bovine blood, **2206**.
Haemagglutination Tests. See Immunology, haemagglutination and haemagglutination-inhibitions tests; Influenza, immunity; Newcastle Disease.
Platelets. The origin of blood platelets, **593**.
Serum. Production of dried serum and plasma for transfusion, **1929**; copper and iron content in cows, **972**.
BLOWFLIES. Distribution of copper in *Lucilia cuprina*, **1303**; toxicity and repellency of certain organic compounds to larvae of *Lucilia sericata*, **1870**; mules operation, **1726**; in Australia, **814**; myiasis in Uganda, **1304**.
See also D.D.T.
BLUE COMB DISEASE. Avian monocytosis, so-called pullet disease, **2252**; the production of so-called "pullet disease," **1485**; epidemiology, **493**.
BONES. Development of bone marrow in adult animals, **1369**; bone marrow of horses and cattle, **599**; incidence of fractures in horses and dogs, **2251**; growth of bones of the face in ruminants, **2064**; osteomyeloscleresis in fowls, **373**; myelomatosis and hyperparathyroidism, **374**; changes during gestation and lactation in rats, **600**; skeletal growth in rats on complete and restricted diets, **2065**; combined effect of oestrogen and anterior pituitary extract on the skeleton of the mouse, **1358**.
See also Clostridium Haemolyticum; Ostitis Fibrosa; Rickets; Vitamins, vitamin A.
BOOKS.
Anatomy. Anatomical terms; their origin and derivation, **2117**; technique of dissection of domestic animals, **443**; atlas of microscopic anatomy in rats, **826**.
Bacteriology and Mycology. Veterinary bacteriology, **2110**; course of veterinary microbiology, **2324**; elementary bacteriology, **447**; human infection with bovine tuberculosis, **442**; brucellosis in animals, **2111**; a dictionary of fungi, **827**; introduction to bacteriological chemistry, **238**.
Biology. Laboratory guide to animal biology, **2116**.
Chemistry. Practical chemistry for medical students, **1032**; textbook of physiological chemistry, **635**; medical biochemistry, **1731**; textbook of biochemistry, **1243**; animal review of medical biochemistry, **1244**; dynamic aspect of biochemistry, **1245**; clinical biochemistry, **1247**; practical emulsions, **1246**.
Dairying. Milk products, **1248**.
Endocrinology. Sexual endocrinology of non-mammalian vertebrates, **2115**.
Genetics. Animal genetics and medicine, **1025**; review of genetics applied to veterinary medicine, **445**; genetics in relation to clinical medicine, **1393**; genetics, **444**; heredity, **1735**.
Haematology. Colour atlas of haematology with brief clinical descriptions of various diseases, **2323**.
Historical. The work of Pasteur's followers in Africa, **446**.
Hygiene. Milk and food sanitation practice, **2322**; dust and its effects on the respiratory system, **2114**.
Medicine. Memoranda on medical diseases in tropical and sub-tropical areas, **1733**; medical research. A symposium, **1938**.
Nutrition. Animal nutrition, **237**; the science of nutrition, **1732**; food, nutrition and health, **2113**; biological standardisation of vitamins, **2321**; trace elements in plants and animals, **825**.
Parasitology. Illustrated laboratory outline of veterinary entomology and helminthology, **1028**.
Pathology. Some infectious diseases, **1394**; diseases of poultry with specialist chapters on poultry husbandry, **236**; handbook of poultry diseases, **1249**; diseases of poultry, **2112**; nature of disease up to date. An outline of a unitary theory, **448**; bovine tuberculosis: including a contrast with human tuberculosis, **234**; proceedings of conference on diagnosis in sterility sponsored by the National Committee on Maternal Health, **1937**; the biological problem of cancer, **2320**; periarteritis nodosa, Kussmaul's disease, **449**; histomonocytic reticulosis, **240**.
Physiology. Textbook of physiological chemistry, **635**; detoxication mechanisms. The metabolism of drugs and allied organic compounds, **1933**.
Protozoology. Veterinary protozoology, **1549**.
Public Health. Practical food inspection. Fish, poultry and other foods, **1936**; practical food inspection. Meat inspection, **1935**; systematic technique of meat inspection, **239**.
Therapeutics. Bacterial and virus diseases. Antisera, toxoids, vaccines and tuberculins in prophylaxis and treatment, **1734**; modern drugs in general practice, **1934**; hormones and vitamins, **1939**.
Veterinary Medicine. Infectious diseases of domestic animals, **823**; veterinary anaesthesia, **235**; the camel and its diseases, **824**.
Zoology. Index catalogue of medical and veterinary zoology, parts 7, 8 and 9, **1029-1031**.
Zootechny. Good and healthy animals, **1547**; five hundred varieties of herbage and fodder plants, **1548**; pigs, their breeding, feeding and management, **1027**; the right way to keep dogs, **1250**; U.F.A.W. handbook on care and management of laboratory animals, **1026**.
BOOPHILUS. Biology of *Boophilus microplus*, **87**; feeding of *B. microplus* on necrotic tissues of host, **1305**; dip resistant blue ticks, **2005**.
See also D.D.T.; Parasiticides; Ticks.
BOTULISM. See Clostridium Botulinum Intoxication.

BRACHYACHNE CONVERGENS, 1145.
BRACKEN. Antithiamine activity of bracken, 1341.
BRAIN. Cortical scar following head injury in a dog, 1831; cerebral lesions in dogs caused by diamidino-stilbene, 1655; encephalomyelitis in monkeys injected with brain tissue, 1294; oxygen environment of brains of rabbit embryos, 2053; action of brain tissue extract on *Staph. aureus* infection, 1851.
BRANCHIOMA. See Neoplasms, in domestic animals.
BRAZIL. See Encephalomyelitis, Equine; Mange; Mycobacterium Tuberculosis Infection, in fowls.
BREAD. Effect of whole-wheat and white bread on susceptibility of mice to pneumococcal infection, 1827.
See also Hysteria, canine.
BREEDING. Modern breeding of dairy cattle, 994; breeding performance and nutrition, 379; animal breeding in relation to nutrition and environment, 2090; the morphological method of selection, 1911; genetics and breeding of the fowl, 149.
BROMINE. See Genital System, general.
BRONCHITIS. See Lungworms; Mites.
BRONCHITIS, INFECTIOUS OF FOWLS. Haemagglutination test in infectious bronchitis, 2196; pH stability of virus, 496.
BRONCHO-PNEUMONIA, EQUINE INFECTIOUS. Chloride content of blood in equine infectious bronchitis, 1545; anatomical and histopathological lesions, 491.
See also Influenza, in horses.
BRUCELLA GROUP.
General. Characteristics of *Br. abortus* variants, 1747; viability in water, 1960; viability in cattle yards, 1961; culturing blood clots for brucella organisms, 1716; effect of serum on dissociation of *Br. abortus*, 471; growth in aerated liquid cultures, 473; behaviour of organisms towards vitamin C, 2143.
BRUCELLA INFECTION.
General. Prophylaxis in animals, 1272; contagious abortion and nutrition, 1478; lesions of brucellosis, 1274; isolation of *Br. melitensis* from cow's milk, 285; differentiation of brucella, 470; antigens of the three brucella types, 1576; spontaneous recovery, 2146; recovery of farm animals from brucellosis, 2145.
See also Books, bacteriology.
In Cats. In dogs and cats, 467.
In Cattle. In dairy cattle, 720; bovine brucellosis in Persia, 466; state control in Sweden, 1577; in bulls and spread of infection by artificial insemination, 284; eradication by disposal of infected animals, 2149; strain 19 vaccination [in Victoria], 1959; simultaneous immunization against malignant oedema and brucellosis, 2147.
Diagnosis. Problems of diagnosis and treatment, 1416; rapid agglutination tests in cattle with serum and milk, 2151; agglutination test with foetal stomach contents, 26; thermal resistance of agglutinins, 1057; specificity of agglutination and precipitation tests in *Br. melitensis* infections, 2148; phagocytosis as a serological test, 472; allergic activity of *Br. abortus*, 857; intradermal tests in cattle, 1748; complement fixation tests, 1056.
In Dogs. In dogs and cats, 467; incidence in Paris, 2150.
In Horses. Brucellosis in horses, 1050.
Immunization. Stability of lyophilized vaccine, 856; lyophilized strain 19 vaccine, 1575; application of strain 10 in the field, 1415; results with strain 19, 854; strain 19 in Switzerland, 1276; agglutinin level after strain 19 vaccine, 631; against bovine brucellosis, 671, 672; use of an avirulent organism and a glucolipoid antigen in cattle, 674; a bile vaccine, 1275; variations in virulence and immunizing power of vaccine strains, 853; immunization of g. pigs with mucoid phases, 1749; danger of live vaccines, 673; dosage of vaccine, 1013; of cattle in Germany, 27.
Treatment. Problems of treatment, 1416; chemotherapy of brucellosis, 735; effect of penicillin on *Br. suis*, 1852; bactericidal effect of turpentine on *Br. abortus*, 1853.
In Swine. Studies of brucellosis in swine, 855; culture of *Br. suis* in aerated broth, 28.
In Wild Animals. Incidence in buffalo and elk herds, 1273.
BR. MELITENSIS. In cows' milk, 285.
BR. SUIS, 28; nutritional requirements of organism, 468; concentration from broth cultures, 469.
BRUCELLA, TULARENSIS INFECTION. Tularaemia survey in Canada, 541; congenital tularaemia, 841; in Czechoslovakia, 1564; in Russia, a monograph, 20; a simple solid medium for cultivation, 658; motility of *Br. tularense*, 2152; cultivation of organisms on chick embryo, 286.
BRUNNER GLANDS. See Digestive System, intestines.
BUDAPEST. See Distemper.
BUFFALOES. Streptococcal mastitis in buffaloes, 2119; effect of application of water to body surface on milk yield, 1917; effects of showers and of wallowing on body temperature, 1915.
See also Brucella Infection, in wild animals; Catarrh, Bovine Malignant; Encephalomyelitis; Pasteurella Infection; Rickettsia Infection; Rinderpest; Salmonella Infection.
BUFFALO FLY. See Siphona.
BUGS. See Technique, general.
BUILDINGS, FARM. See Zootechny.
BULGARIA. See Mange.
BUNOSTOMUM. In cattle in Nigeria, 98; life history of *B. phlebotomum*, 1094; bionomics of *B. phlebotomum*, 1095.
BURNS. Brooder-stove-residue burns on turkey poults, 1932.

C

CALCIUM. Influence on metabolism of calcium rich diet, 1320.
CALCUTTA. See Milk and Milk Products, bacterial content; Leptospira Infection, in dogs.
CALIFORNIA. See Reports, U.S.A.
CALOTROPIS GIGANTIA. See Poisoning, plants.
CALVES. See Cattle.
CAMELS. See Books, veterinary medicine; Babesia Infection, general; Sodium Chloride; Tryp. Evansi Infection [Surra].
CAMEROONS. See Rinderpest.
CANADA. See Brucella Tularense Infection; Cl. Botulinum Infection; Northern Dog Disease; Pasteurella Infection, general; Reports; Rickettsia Infection; Rinderpest; Ticks, general.
CANCER. See Reports, Great Britain; Neoplasms.
CAPERCAILZIE. See Wild Animals and Birds.
CAPILLARIA. In fowls in U.S.A., 1624.
CARBON DIOXIDE. Effects on animals, 1203; chronic carbon dioxide poisoning, 1654.
CARBON TETRACHLORIDE. Toxicity for sheep, 1486; flock idiosyncrasy [in sheep] to carbon tetrachloride, 551.
See also Liver, diseases.
CARCASSES. Disposal in Austria, 2069.
CARVACROL. See Eimeria Infection (Coccidiosis), in rabbits.
CASSAVA. See Poisoning, plants.
CASTOR BEANS. See Poisoning, plants.
CASTRATION. Castration of dogs by X-rays, 1709; effect of castration on shock and immunity, 774; ligation of vas deferens in dogs, 425.
CATARRH, BOVINE MALIGNANT. Susceptibility of buffalo, 1021.
CATARRHAL FEVER OF DOGS. See Dogs, diseases general.
CATHEPSIN. See Neoplasms, general.
CATS. See Brucella Infection; Encephalitis; Liver, diseases; Mange; Nematodes.
CATTLE.
General. Supplying healthy cattle to collective farms, 800.
See also Blood, general; Heat Regulation.
Diseases, General. St. George disease of cattle, 1829; St. George disease in Queensland, 2316; a seasonal disease of cattle of unknown aetiology, 1131; hyperkeratosis (X disease), 933; sudden death of calves with myocardial degeneration, 1328.
See also Haemoglobinuria, Puerperal; Leucosis; Neoplasms, in domestic animals; Periarteritis; Sweating.
Bacterial Diseases. See Actinomyces Farcinicus Infection; Bacillus Anthracis Infection; Brucella Infection; Corynebacterium Infection; Mycobacterium Johnei Infection; Mycobacterium Tuberculosis Infection; Pasteurella Infection; Pleuropneumonia; Salmonella Infection; Streptococcus Infection.
Poisoning. See Poisoning, plants.
Protozoal Diseases. See Anaplasma Infection; Babesia Infection; Bartonella Infection; Theileria Infection; Trypanosoma Infection.
Nutritional Diseases. A deficiency disease of calves, 1823.
See Nutrition and Nutritional Diseases; Vitamins, vitamin A and vitamin C.
Parasitic Diseases. See Bunostomum; Mange; Lungworms; Schistosoma.
Virus Diseases. Virus diarrhoea, a new transmissible disease, 313; Failure of virus diarrhoea to immunize against rinderpest, 314.
See Foot and Mouth Disease; Lumpy Skin Disease; Rinderpest.
CELLS. Granular substance in cytoplasm, 1881; granular substance in the nucleus, 1882; granular substance of Golgi's apparatus, 1883.
CEREBROSPINAL FLUID. Vitamin A + Ascorbic acid and spinal fluid of cattle, 1111.
CESTODES. Tapeworm anaemia, 1802; Pathogenesis of tapeworm anaemia, 1083; canine and vulpine parasites in Victoria, 2222.
See Anthelmintics; Cysticercus; Echinococcus; Moniezia.
CEYLON. See Reports.
CHAGAS' DISEASE. See T. Cruzi Infection.
CHARTS. See Technique, general.
CHAULMOOGRA OIL. See Mange, treatment.

CHEMOTHERAPY. See Therapeutics, general.
CHENOPODIUM BLACKIANUM, 1145.
"CHICK DISEASE." See Leucosis, avian.
CHINA. Aujeszky's Disease; Diseases, General; Pleuropneumonia, Contagious Caprine; Services, Veterinary; Zootechny.
CHOLERA, HOG. See Swine Fever.
CHOLESTEROL. Cholesterolaemia in canine eczema, 1205, See Circulatory System; Liver diseases.
CHOLINE. Action on uterus of sheep, 1705; Requirements of sows for reproduction, 1471; nervous system lesions in dogs produced by choline and carbamyl choline, 1331; and prevention of haemorrhagic kidneys in the rat, 1464. See Eggs, Hens; Liver, diseases.
CHLOROMYCETIN. See Antibiotics, actinomyces products.
CHONDRODYSTROPHIA. See Fowls, diseases general.
CIRCULATORY SYSTEM. Vascular reaction to cooling, 1217; the coronary circulation, 2267; internal carotid artery of the ox, 766; area drained by the vena haemorrhoidalis cranialis in the rectum of the pig, 767; atherosclerosis and arteriosclerosis in dogs after ingesting cholesterol and thiouracil, 538; rôle of vascular wall in defence against disease, 973; have ungulates an adrenalin-sensitive vaso-dilatation mechanism, 1507; Permeability alterations in disease, 2051.
CIRRHOSIS. See Liver, diseases.
CLIMATE. Climograms for study of tsetse fly, 85; Influence on tsetse flies, 84.
CLIMOGRAMS. See Climate.
CLITOCYBIN. See Antibiotics, various.
CLOSTRIDIUM INFECTION.
General. Chemotherapy of gas gangrene by flarozole, marfanil, etc., 1842.
In Cattle. Bovine bacillary haemoglobinuria *(Cl. haemolyticum* infection), 1022, 1023 and 1024.
In Goats. Entero-toxaemia in goats, 858.
In Sheep. Lamb dysentry in Jugoslavia, 29.
CL. BOTULINUM INTOXICATION [BOTULISM]. Equine botulism in Spain, 1754; "Mal d'Aiseau" a disease of horses in France probably botulism, 1062; in horses in Belgium, 860; in Canada, 289; toxoids and their antigenic activity, 1751-1753; preparation of toxins, 1750; purification and crystallization of toxin, 675; persistence of toxin in carcasses with special reference to tortoises, 30; methods for producing highly toxic cultures, 287.
CLOSTRIDIUM CHAUVOEI INFECTION [BLACKLEG]. In South Africa, 213; Prophylaxis of blackleg, 745; simultaneous inoculation of cattle against blackleg and brucellosis, 2147.
CL. HAEMOLYTICUM, 1022, 1023, 1024; isolation from bones, 15, 79.
CL. OEDEMATIENS, 1842; toxin antitoxin reaction, 1053.
CL. SPOROGENES. Egg yolk plate reaction in diagnosis, 1061.
CLOSTRIDIUM TETANI INFECTION [TETANUS]. Anti-tetanic serum and anatoxin for treatment and prophylaxis in horses, 859; antitoxin therapy, 994; treatment with adrenalin, 1193; treatment, 2048; crystallization of toxin, 1277.
CL. WELCHII, 29, 474, 1842, 1843, 1844; entero-toxaemia in goats, 858; oxidation-reduction potential requirements, 1060; oxidation-reduction potential requirements of *Cl. welchii,* 2153; absorption of toxin from bowel, 1726; *in vitro* effect of penicillin on toxins, 1344; production of alpha toxin, 1059; titration of toxin by flocculation, 677; Detoxication of type D toxin by formaldehyde, 1417; titration of toxins and antitoxins, 288; protective properties of antitoxin and antihyaluronidase occuring in antiserum, 1058; competition of lecithin and antitoxin for *Cl. welchii* lecinthinase, 2154; method for measuring activity of *Cl. welchii* lecinthinase and properties of this enzyme, 1962; anticollagenase and immunity, 676; immunization with antigens in lanoline, 1578.
CLOVER. Metaplasia of sex organs in sheep on subterranean clover pastures, 388; Breeding troubles in sheep grazing on subterranean clover, 1001; metaplasia of sex organs in castrated sheep grazing on subterranean clover, 1002.
COAGULASE. See Staphylococci.
COBALT. Copper and cobalt deficiencies in domestic animals, 1108; deficiency in livestock in the Hebrides, 1638; in Nakuruitis, 1021; Ataxia (Coastal Staggers) not prevented by cobalt, 2317; in treatment of a nutritional disease in dairy cattle, 2237; in cows' milk, 1467; effect on ruminal organisms, 1726; estimation of in biological materials, 223.
COCCIDIOSIS. See Eimeria Infection.
COCHLIOMYIA. See Screwflies.
COD LIVER OIL. See Vitamins, vitamin A.
COLCHICINE. See Neoplasms, treatment.
COLIFORM BACILLI See Enterobacteriacea; Milk and milk products, bacterial content.
COLISTATIN. See Antibiotics, various.
COLLAGEN. See Liver, diseases; Technique, staining.
COLOMBIA. See Sporotrichosis.
COLOSTRUM. See Immunology, general; Vitamins, general, vitamin A.
COMPLEMENT FIXATION. See Brucella Infection, diagnosis; Trichinella; Trypanosoma Infection, immunity.
CONGENITAL DISEASES. See Liver, diseases; Jaundice; Rhinitis; Thyroid Gland.
CONGO. See Game Sanctuaries.
CONNECTIVE TISSUE. See Neoplasms, causation.
COPPER.
General. Content of serum of cows, 972; content of blood of sheep, 2056; content of blowflies [*L. cuprina*], 1303; limiting effect of molybdenum on storage in sheep, 1726; for treatment of arthritis, 1873.
Poisoning. Enzootic (toxaemic) jaundice in sheep, 941, and 1637.
Deficiency. In domestic animals, 1108; in cattle—"falling disease," 128 and 129; Hypocupraemia in cattle, 714; manuring with basic slag rich in copper to control pica in cattle in Holland, 2238; in sheep in Queensland, 2239; effects on wool, 1726; "Steely" wool in sheep as an indicator of copper deficiency, 2316.
See also Ataxia.
CORPUS LUTEUM. See Genital System, ovary.
CORYNEBACTERIUM INFECTION.
General. Haemophilic gram-positive rods *Corynebact. haemophilum,* 1948.
In Cattle. Bacterial flora of the vagina of dairy cows, 2136; antitoxin in serum following use of toxoid in cows, 1046; infectious bovine pyelonephritis, 652; treatment of pyelonephritis with penicillin, 1154.
See Mastitis, Bovine, treatment.
In Horses. Microscopic diagnosis of *C. equi* infection, 1048; unusual case of *Corynebact. pyogenes* infection in horse and fowl, 1408; *Corynebact. ovis* infection of horses in Eritrea, 650.
In Fowl. Unusual case of *Corynebact. pyogenes* infection in a fowl, 1408.
In Sheep. Toxoid and vaccine against artificial udder infection of ewe with *C. pyogenes,* 1047.
In Swine. In the lymph nodes of the neck, 273; suppurative otitis, 181; in swine pneumonia in Egypt, 2140; serological study of *Corynebact. magnusson-holth,* 1049.
COSMIC RAYS. See Radiations.
COTYLOPHORON. See Amphistoma.
COWPER'S GLANDS. See Genital System, general.
CROATIA. See Simulium.
CRYPTOCOCCUS FARCIMINOSUS INFECTION [EPIZOOTIC LYMPHANGITIS]. Vaccine for prevention, 869; in India and Burma, 1017 and 1018; in Slovakia, 1584; sanitation of stock yards with reference to epizootic lymphangitis, 1963.
CUBONI'S TEST. See Pregnancy Diagnosis.
CUNIC. See Anthelmintics.
CYSTICERCUS. In calves, 96; *C. cellulosae* in a dog, 514; in carcasses at Belfast abattoir, 1801.
CYSTINE. See Vitamins, vitamin E.
CYSTS. See Genital System, ovary.
CYTOTOXINS. See Genital System, general.
CZECHOSLOVAKIA. See Brucella Tularense Infection; Mycobact. Tuberculosis Infection, control; Reports.

D

DATURA, 1145.
D.D.T. A review, 1183; Value of D.D.T. against animal ectoparasites, 748; activity of D.D.T. and related compounds, 1680; trials against parasites of domestic animals, 1185; research on D.D.T. in U.S.A., 632; for ectoparasites of poultry, 190; for ectoparasites on pigeons, 405; control of rat ectoparasites, 585; for control of arsenic-resistant blue ticks, 88; for control of ticks in vegetation, 2219; for control of wood ticks, 2217; for control of *Amblyomma maculatum,* 2216; for control of fleas, 2209; for control of stickfast flea, 2210; as ked dips for sheep, 341; for control of sheep keds, 1682; control of blowflies, 584; for protecting sheep from blowflies, 1354; control of houseflies by sprays, 583; toxicity to houseflies of paints containing D.D.T., 1681; skin sensitization in g. pigs, 578; control of mosquitoes by D.D.T.-oil mists, 581; residual toxicity for mosquitoes, 579; inactivation of D.D.T. in mosquito larvicides, 580; spraying for mosquito control, 1669-1673; duration of toxicity of sprays, 582; for control of biting lice of sheep, 2001; spraying by aircraft, 1678; aeroplane exhaust generation for D.D.T. aerosols, 1200; intercolonial conference on trypanosomiasis, 1425; tolerance of cattle to D.D.T., 952; accumulation of D.D.T. in the fat and in the milk of dogs, 552; toxicity for poultry, 2040; lethal effects on fish, 938;.
See Aeroplanes; Siphona.
DEER. See Wild Animals and Birds.
DEHORNING. See Zootechny.
DEMODEX. *D. folliculorum* in the human nipple, 1306.
DENMARK. See Mycobact. Tuberculosis Infection, control; Reports.
DERMANYSSUS, 95, 2220.

DERMATITIS. See Actinomycosis; Filariae; Skin, diseases; Vitamins, vitamin B (biotin).
DERMATITIS OVINE CONTAGIOUS. Transmissable to man, 434; infection of man, 1078.
DERRIS. See Parasiticides.
DESCURAINIA PINNATA, 727.
DETERGENTS. See Disinfectants; Technique, general.
DEUTOPLASMIN. See Diarrhoea.
DIAGNOSIS. Correlation of field and laboratory work in diagnosis, 2245; the agglutination test in diagnosis of disease, 424; Weltmann's reaction, 2244.
See Pregnancy Diagnosis.
DIAMIDINE. See Babesia Infection, in horses.
DIARRHOEA. Deutoplasmin in treatement of calf scours, 744; effect of vitamins on incidence of calf scours, 1356; in young stock, 1567; epidemic diarrhoeal disease of suckling mice, 2019 and 2020.
DIASONE. See Mycobact. Tuberculosis Infection, treatment.
DICROCOELIUM. See Fasciola.
DICTYOCAULUS. See Lungworms.
DIDISCUS GLAUCIFOLIUS, 1145.
DIGESTIVE SYSTEM.
General. The pharynx of the horse, 777; the epithelial layer covering the alimentary tract, 2269; X-ray picture of digestive tract of the fowl, 769;
Stomach. Rupture, capacity and weight of the stomach of the horse, 759; acute digestive disturbances and pyloric spasms, 717; the gastric mucous barrier in dogs, 1218; sudden death in cattle from traumatic gastritis, 2248; torsion of abomasum in cattle, 124.
See also Rumen and Rumination.
Intestines. Oedema of intestines in pigs, 721; Submucosal glands in the bovine ileum, 611; topographical aspects of the Brunner glands in swine, 2068.
DIHYDROSTREPTOMYCIN. See Streptomycin.
DIMETHYL PHTHALATE. See Mange, treatment.
DIOCTOPHYME. *D. renale* in Uruguay, 112.
DIPHTHERIA, CALF. See Fusiformis Necrophorus Infection.
DIPS AND DIPPING TANKS. See Arsenic.
DISEASES, GENERAL. Planning anti-epizootic measures, 2242; some infectious diseases of cattle in China, 1644; diseases of animals in Great Britain, recent advances, 927; pathological specimens examined in Holland, 1134; pathological material examined in Utrecht, 1969; epizootic diseases in Morocco, 2241; contagious diseases in the Punjab, 2243; veterinary work on state farms, 1693; veterinary problems in Sweden [Skravelsjuka], 928.
DISINFECTANTS. Relation to dissociation in bacteria, 1677; enzyme inactivation by disinfectants, 1875; "Halamid" in the milk industry, 409; photometric method of valuation, 988; method of disinfecting blood-clots, 1006; action of neolohsol, 1168; a detergent for eating utensils, 1876; test of disinfectant properties of soap, 2263.
See Airborne Infection; B. Anthracis Infection, general.
DISSECTION. See Books, anatomy.
DISSEMINATED SCLEROSIS. See Ataxia.
DISTEMPER. In Budapest, 892; atypical outbreaks in dogs, 693; diseases of dogs following distemper, 1079; varieties of distemper in France, 1441; atypical forms in France, 2192; ferret-adapted vaccine, 893; temperature reactions in dogs to ferret-passaged virus, 1779; prophylaxis with distemperoid vaccine, 1780; efficacy of Green's vaccine and the Laidlaw-Dunkin vaccine, 1781; trials of vaccine, 1504.
DISTOMA. See Fasciola.
DOGS.
General. See Blood, general; Books, zootechny; Castration; Proteins.
Bacterial Diseases. See B. Anthracis Infection, [Anthrax], general; Blastomyces; Brucella Infection; Leptospira Infection; Salmonella Infection, general.
Diseases, General. Infectious catarrhal fever, 319; Haemorrhagic diathesis and streptococcal infection, 1032.
See Fits; Genital System, general and prostate; Hysteria, Canine; Leucosis; Nervous System, diseases; Paralysis; Skin, diseases; Spleen.
Protozoan Diseases. See Babesia Infection; Eimeria Infection (Coccidiosis); Leishmania Infection.
Parasitic Diseases. See Cysticercus; Parasites, general; Trichocephalus.
Virus and Rickettsial Infections. See Distemper; Encephalitis; Northern Dog Disease; Poliomyelitis; Rabies; Rickettsia Infection.
DONKEYS. See Insemination, Artificial; Sterility.
DOURINE. See T. Equiperdum Infection.
DROPLET INFECTION. See Airborne Infection; Technique, general.
DUCKS. See Genital System, general; Plasmodium Infection; Salmonella Infection.
DUMMKOLLER. See Horses, diseases general.
DWARFS. Dwarfism in man and animals, 2093.
DYSENTERY, LAMB. See Clostridium Infection, in sheep

E

EARS. Suppurative otitis in swine, 18; Labyrinthitis in rats, 936.
See Mange, general
EAST COAST FEVER. See Theileria Infection.
ECHIDNOPHAGA. In Queensland, 2316 and 2317.
See also Fleas.
ECHINOCOCCUS. In the heart muscle of sheep and cattle, 1623; in reindeer, 704; *T. echinococcus* in a dog, 705; examination of sputum in diagnosis of pulmonary echinococcosis, 911.
ECHINOSTOMUM. Intestinal flukes in turkeys, 1454.
ECTROMELIA. See Pox Diseases, vaccinia.
ECZEMA. See Skin, diseases.
EDUCATION. Veterinary education. A lecture, 2079; correlation of teaching of medicine and physiology, 1380; in Buenos Aires, 208; in China, 2077; history of Stockholm Veterinary College, 2278.
EGGS, HENS. Formation and expulsion of the egg in fowls, 2272; effects of husbandry on egg quality, 521; bacterial decomposition of, 206; Hydrogen-ion concentration of albumen and yolk of the egg, 2273; blood clots and meat spots in hens eggs, 1126 and 1127; effect of prolonged thyroprotein feeding on egg production, 2016; effect of feeding iodinated casein to laying hens, 1463; effect of iodinated casein on laying, 775; relation of nutrition to hatchability of eggs, 1815-1817; effect of folic acid on production and hatchability, 1474; relation of egg shell colour to hatchability, 605; influence of heredity and environment on fertility and hatchability, 1910; porphyrin, a pigment of the egg-shell of fowls, 761; colour of the shell, 760; granules resembling elementary bodies in yolk cells of normal eggs, 1788; spray-dried egg and food poisoning, 207.
EGYPT. See Mastitis, Bovine, general; Mycobact. Tuberculosis Infection, general; Pneumonia; Spirochaeta Infection, avian.
EIMERIA INFECTION [COCCIDIOSIS].
General. Control by disinfection, 1072.
Avian. Epidemiology, 1071; Host specificity. Infection of fowls with turkey coccidia, *E. meleagridis*, 684; resistance to infection, 1073; control of caecal coccidiosis, 480; chemotherapy and immunity, 2173; coccidiostatic drugs, 2174; efficiency of some coccidiostatic agents, 303; chemotherapy of caecal coccidiosis, 1974; medication of caecal coccidiosis, 1975; sulphonamides in treatment of caecal coccidiosis, 2172; effect of sulphamethazine on parasites, 948; development of *E. tenella* as affected by sulphamethazine, 683; toxic effects of sodium sulphamethazine in chicks, 1976; phenothiazine for treatment, 184.
Bovine. Treatment with 4: 4'-Diamino diphenyl sulphone, 1175.
In Dogs. Dosage of sulphamethazine, 1176.
In Rabbits. Treatment of hepatic coccidiosis, 1177; treatment and prophylaxis with acridine compounds, 1867; carvacrol in treatment, 1178; phenothiazine for treatment, 185; stovarsol for treatment, 51.
In Swine. In Venezuela, £.
EIRE. See Reports.
ELECTRIC FENCES. See Zootechny.
ELECTROBIOGENESIS. Electrobiogenesis, 757.
ELECTROCARDIOGRAM. See Vitamins, vitamin E.
ELEMENTARY BODIES. Granules resembling elementary bodies in yolk cells of normal eggs, 1788.
See Viruses.
ELEPHANTS. See Helminth Parasites; Schistosoma.
ELK. See Brucella Infection, in wild animals; Rickettsia Infection.
EMBRYOS, FOWL. Enplanting and cultivating early chick embryo *in vitro*, 1543; virus infections of the chick embryo respiratory tract, 1081; cultivation of variola virus on chorio-allantoic membrane, 1787.
See also Encephalomyelitis, Equine, immunology; Mycobact. Tuberculosis Infection, in fowls; Therapeutics, general.
ENCEPHALITIS. Pathology of infectious encephalitis in the horse and rabbit, 1772; inoculation of horses with Japanese B virus, 492; chicken mites and mosquitoes and the epidemiology of St. Louis encephalitis, 1769 multiplication and spread of virus of St. Louis encephalitis in mice, 1438; canine encephalitis, myelitis and meningitis, 1440; human poliomyelitis and canine encephalitis, 2194; dissemination of virus in domestic animals and man in Japan, 1596 and 1597; possible relationship between human encephalitis and cat encephalitis, 694; the domestic cat and human encephalitis, 695.
ENCEPHALOMYELITIS. In domestic animals, 1598; in horses in France regarded as an enterotoxaemia, 1326; virus encephalomyelitis in buffaloes, 1778; in buffaloes in China; 1644; acute disseminated encephalomyelitis in monkeys injected with brain tissue, 1294; iron salts and inhibition of glycolysis by Theiler's virus of mouse encephalomyelitis, 1439.

ENCEPHALOMYELITIS, EQUINE.
General. In Brazil, **887**; outbreak of meningo-encephalitis in France, **932**; in Michigan, **2183**; outbreaks in pheasants, **1770**; influence of anaesthesia on, **1509**; ticks and epidemiology, **2004**; recovery of virus from birds mites, **2184**; effect of reducing agents on viability of the virus, **1771**; complement fixation with virus and antisera, **2182**.
Immunology. Antigens related to normal chick embryo, **66**; egg and chicken proteins in vaccines, **1076**.
ENCEPHALOMYELITIS, PORCINE [TESCHEN DISEASE]. In Slovakia, **68**; in Switzerland, **69**; histology of lesions in c.n.s., **692**; associated with helminth infection, **1604**; influence of swine erysipelas immunization on incidence, **1605**.
ENDAMOEBA. See Amoeba.
ENDOCARDITIS. See Heart.
ENDOCRINE SYSTEM. Fundamentals of endocrine interrelationships, **1536**; hormones and vitamins, **1939**; tuberculosis and endocrine diseases, **155**; the spleen as an endocrine gland, **154**; the pituitary and parathyroids in hypercalcaemia, **374**; nutritional aspects of endocrine disturbances, **1105**.
See also Adrenal Gland; Books, endocrinology; Lactation; Pituitary Gland; Sex Hormones; Thyroid Gland.
ENDOSCOPE. See Technique, general.
ENTERITIS, PORCINE. Sulphathalidine in treatment, **1661**.
ENTEROBACTERIACEAE. Taxonomy of the family, **1265**.
See also Salmonella Pullorum Infection.
ENTEROCHROMAFFIN CELLS. Chemical character, **1880**.
ENTEROHEPATITIS INFECTIONS, OF TURKEYS. See Histomonas Meleagridis Infection.
ENTERO-TOXAEMIA. Infectious anaemia and infectious meningo-encephalitis of horses regarded as entero-toxaemias, **132**.
See Clostridium Infection, in goats.
ENZYMES. Mucinolytic enzymes of staphylococci, **762**; inactivation by disinfectants, **1875**; collaginase and immunity to *Cl. welchii* infection, **676**; nitrogen fixation, **1885**.
EPILEPSY. See Hysteria, Canine.
EPIDERMIS. See Skin.
ERCOTHIONEINE. See Thyroid Gland.
EREMOPHILA MACULATA, 1143.
ERGOT. See Poisoning, plants.
ERYSIPELOTHRIX MONOCYTOGENES INFECTION [LISTERIASIS]. Incidence in animals, 1264; in New South Wales, **433**; *E. monocytogenes* in the placenta and foetus of cattle and sheep, **1562**; in a silver fox, **654**; abortion in rabbits caused by *E. monocytogenes*, **1744**; in the rabbit, **1743**; in fowls, **2138** and **2139**.
ERYSIPELOTHRIX RHUSIOPATHIAE INFECTION [SWINE ERYSIPELAS]. In the Baltic States, **274**; in man and animals, **2137**; polyarthritis in lambs, **651**; relationship of *E. muriseptica* and *E. rhusiopathiae*, **275**; susceptibility of swine fever—immune pigs to intracerebral infections with *E. rhusiopathiae*, **1409**; influence of swine erysipelas vaccination on incidence of Teschen disease, **1605**; the rat as a source of infection, **1948**; mouse protection with porcine gamma globulin, **1263**; trypaflavine vaccine, **653**; preparation of antiserum, **81**; dosage of immune serum, **503, 504**; validity of culture-vaccines, **458**; nature of immunity, **701**; immunization, **1949**; penicillin treatment of artificially infected white mice, **1051**; treatment with penicillin in turkeys, **1157**; penicillin in treatment of turkeys, **1262**; chemotherapy of artificial infections in mice with streptomycin, **1668**.
See also Skin, general.
EUPHORBIA SPP., 1145.
EXANTHEMA, VESICULAR. Vesicular lesions of farm animals, **1434**.
EYES. The physiology of vision, **1877, 1878**; ocular lesions in photosensitization in horses, **1146**; glaucoma in dogs, **968**; snake venom ophthalmia, **554**; action of antiseptics on regeneration of corneal epithelium, **1199**; photography of the fundus of the eye in domestic animals, **2108**.
See also Rickettsia Infection.

F

FAECES. See Mycobacterium Tuberculosis, cultivation.
FALLING DISEASE. See Copper, deficiency.
F.A.O. See International Organisations.
FASCIOLA. The transmitting agent in S. Australia (*L. brazieri*), **2221**; hexachlorethane in treatment of sheep, **1872**; hexachlorethane-bentonite suspension for the lancet fluke, **1453**.
FATTENING. See Sex Hormones, oestrogens.
FEATHERS. Adequacy of known vitamins for feathering and pigmentation in chicks, **1469**.
FERRETS. See Distemper; Influenza, virus.
FERTILITY. Male fertility in farm animals, **1702**; influence of age on breeding efficiency of cattle, **772**; of zebu cattle in Nigeria, **603**; seasonal variations in conception rate in Karakul sheep, **2296**.
See Vitamins, vitamin A.
FEULGEN REACTION. See Technique, staining.
FIBRINOLYSIN. See Streptococci, general.
FILARIAE. Microfilariae and dermatitis in horses, **2225**; specific antigen in blood, **107**; transplantation of adult *Litomosoides carinii* in cotton rats, **108**; laboratory infection of rats, **1804**.
FINLAND. See Salmonella Infection, general.
FISH. See Trichinella.
FITS. Cortical scars, with focal seizure, following head injury in a dog, **1831**.
See Hysteria, Canine.
FLEAS. Control of stickfast flea (*Echidnophaga gallinacea*) with D.D.T., **2210**; control of fleas with D.D.T., **2209**; *Pulex irritans* and *Ctenocephalus canis* transmitting *S. enteritidis*, **282**.
FLIES. Borax to prevent fly breeding in trap baits, **1679**; hippoboscid flies in pigeons, **82**; control of fly larvae in latrines and carcasses, **1797**.
See also Blowflies; D.D.T : Glossina; Myiasis; Oestridae; Siphona.
FLOUR. See Hysteria, Canine.
FLUKES. See Amphistoma; Echinostomum; Fasciola; Schistosoma.
FLUORINE. Fluorosis in domestic animals, **1136**; industrial fluorosis in cattle, **167**; fluorosis of cattle in Madras, **724**; poisoning of cattle in India, **395**; fluorosis in Queensland, **2317**; effect on teeth of chronic poisoning in sheep, **138**; fluorosis in sheep, **1726**; phosphate supplement with varying fluorine content in the diet of chickens, **1107**; buffered lethal doses of fluoride, **725**; effects on bone, **166**; action on teeth of rachitic rats, **1137**; fluorine hazards in industry, **549**.
FOALS. Causes of early death in foals, **1640**.
See Horses; Joint Ill.
FOLIC ACID. See Vitamins, vitamin B complex (Folic Acid).
FOOD INSPECTION.
Meat. In Holland, **413**; inpection of food of animal origin in Prague, **2070**; inspection of imported food stuffs, **1893**; control of abattoirs and knacker-yards, **983**; minor improvements of abattoirs, **918**; notification of TB. found on inspection of meat, **205**; killing TB. in carcasses by flaming after stripping pleura and peritoneum, **982**; contamination of meat with TB. from carcass with lesions on the serous membranes, **1378**; the meat canning industry, **1522, 1523**; inspection of canned foods for dogs and cats, **612**; animal products and infection, **711**; utilization of by-products in Brazil, **779**; salting of meat, **1231**; chemical composition of fatty and muscular tissue of meat, **1813**.
See also Books, public health; Reports, Germany.
FOOD POISONING. Food and drink infections, **1375**; staphylococcal food poisoning, **450**; outbreak caused by *S. typhi-murium*, **848**; by *S. paratyphi* from meat, **204**; by spray-dried egg, **207**; infection from cheese, **1410**.
See also Staphylococcal Infection, general.
FOOT AND MOUTH DISEASE.
General. Vesicular lesions in farm animals, **1434**; a cause of sterility in rams, **1704**; suspected case in a foal, **688**; eradication programme in Mexico, **1765**; inspection of the infected areas in Mexico, **1766**; control in Mexico, **1283**; in Spain, **312**; in the Sudan, **811**; ergotism in calves resembling foot and mouth disease, **2254**; the complement fixation test in study of foot and mouth disease, **1587**; culture of virus on bovine foetal lung tissue, **882**; typing virus in Germany, **881**.
Immunity. A new vaccine, **311**; plurality of virus in vaccine production, **1588**.
Pathology. Of C.N.S. in the mouse, **62**; myocardial lesions **2177**.
Treatment. Sulphonamides in treatment, **1180**; serum therapy, **61**.
FORMALIN. See Babesia Infection [Piroplasmosis], in horses.
FOWLS.
General. See Digestive System, general.
Diseases General. Some diseases of poultry, **1333**; in U.S.A., **633**; how long do poultry breeding stock live, **2274**; rupture of the tendo Achillis in chickens, **546**; Acropachy in fowls, **377**; Osteomyelosclerosis in hens, **373**; Chondrodystrophy in fowls, **164**; cannibalism, **225**.
See also Anaemia; Blue Comb Disease; Books, pathology; Neoplasms, general; Round Heart Disease; Temperature, Body; Teratology.
Bacterial Diseases. See Bact. Coli Infection; Corynebacterium Infection; Erysipelothrix Monocytogenes Infection; Erysipelothrix Rhusiopathiae Infection; Monilia; Paracolon Infection; Salmonella Infection.
Nutrition and Nutritional Diseases. See Manganese; Nutrition and Nutritional Diseases; Proteins; Vitamins.

FOWLS—[cont'd.].
Protozoan Diseases. See Eimeria Infection (Coccidiosis); Plasmodium Infection; Phenothiazine.
Helminth Infections. See Capillaria.
Virus Diseases. See Bronchitis, Infectious of fowls; Fowl Paralysis; Fowl Plague; Laryngotracheitis; Newcastle Disease; Pox Diseases.
FOWL PARALYSIS. Symptoms fowl paralysis artificially produced by blood transfusion, 1810; a study of isolation in fowl paralysis, 1811; relation of poliomyelitis to fowl paralysis, 899; transmission experiments, 1989; sulphamerazine and incidence of avian lymphomatosis, 1865; *B. coli* in blood stream of cases, 659.
See also Leucosis, avian.
FOWL PLAGUE. Cultivation tests with typical and atypical viruses, 1444; in Germany, 71; vaccination, 72; crystal-violet vaccine, 73; Traub's vaccine, 276.
FOWL POX. See Pox Diseases, fowls.
FOXES. Fur defects in captive foxes, 1357; a feeding problem in silver foxes, 1715.
See also Antivitamins; Erysipelothrix Monocytogenes Infection [Listeriasis]; Pasteurella Infection; Wild Animals and Birds.
FRACTURES. See Bones.
FRANCE. See Encephalomyelitis, Equine; Helminth Parasites; Leptospira Infection, in dogs; Services, Veterinary; Therapeutics, general.
FREE-MARTINS. See Genital System, general.
FUNGI. See Books, bacteriology and mycology.
FUSIFORMIS NECROPHORIS INFECTION. Biology of organism, 32; necrobacillosis in Brazil, 31; in animals and calf diphtheria, 292; infection of the liver in lambs, 1580; allergic diagnosis in reindeer, 510; antiserum for use in reindeer, 511.

G

GAME AND GAME BIRDS. See Wild Animals and Birds.
GAME SANCTUARIES AND NATIONAL PARKS. In the Belgian Congo, 209.
GAMMEXANE. Application to arthropods of veterinary importance, 95; veterinary practice, 2043; for control of arsenic-resistant blue tick, 88; for ectoparasites of livestock especially arsenic-resistant ticks, 2218; as ked dip for sheep, 341; relative effectiveness of D.D.T. and gammexane, 954.
See also Mange, treatment.
GARLIC. See Parasiticides.
GAS CHAMBERS. Constant flow gassing chambers, 1722.
GASTROENTERITIS, PORCINE. See Swine, diseases general.
GASTROLOBIUM GRANDIFLORUM, 1143.
GEESE. See Amidostomum; Helminth Parasites, general; Insemination, Artificial.
GENETICS. See Bacteria, General; Books; Breeding.
GENITAL SYSTEM.
General. Effect of cytotoxins on sexual function, 996; conditioned sexual reflexes in rams, 998; the free-martin, 1386; pathological intersexuality, 773; hermaphrodism as a result of intersexual metamorphosis, 2089; hormonal relationship of anterior pituitary gland and the gonads, 2086; iso-electric point of mucins in bovine genital organs, 148; metaplasia of sex organs in castrated male sheep on subterranean clover pastures, 388; breeding troubles in sheep grazing subterranean clover, 1001; metaplasia of sex organs in castrated sheep grazing subterranean clover, 1002; tissue changes in male dogs following stilboestrol medication, 540; the genital organs of normal, castrated and oestrogen treated monkeys, 601; cystic degeneration of Cowper's glands in mice, 1237; mechanism of perforation of the oviduct in the fowl, 1235; excretions of bromine by genital organs of the cock and hen, 150; differentiation of the genital tubercle in ducks, 2088.
Oestrous Cycle. Anomalies of oestrus, 1384; control of ovulation in the mare, 2083; the proper time for serving mares, 1701; seasonal incidence of calving and sexual activity in zebu cattle, 1238.
Ovary. Pathology of the ovary, 1535; classification of ovarian cysts, 1225; hormone therapy of ovarian cysts in cattle, 1905; clinical use of gonadotrophin in treatment of ovarian cysts in cows, 1906; effect of gonadotrophins on rate of ovarian growth, 1530; development of mouse ova in anterior chamber of the eye and in the abdominal cavity, 1370; development of Graafian follicle and ovulation, 1224; development of corpus luteum, 604; function of corpus luteum in cattle, 390.
Prostate. Symptoms and treatment of prostatic diseases in the dog, 545.
Semen and Spermatozoa. Lipoid content of spermatozoa of domestic animals, 1227; oxidation-reduction potential during preservation, 1901; respiration of spermatozoa, 2270; influence of acids on motility, 1226; viability and motility in the genital tract of mares, 1902; technique of examination and conservation of semen, 615; a comparing-chamber for microscopic examination of undiluted bull semen, 359; influence of protein in diet on quality of bull semen, 924; factors affecting pH change in bull semen, 1528; seasonal effects on spermatogenesis in cattle, 1907; detachment of galea capitis in spermatozoa of bull and stallion, 147; inheritance of morphological characters on spermatozoa of cattle, 1383; sperm defects in rams, 997; examination of dog's semen, 780; hyaluronidase content of semen, 2084; release of hyaluronidase from spermatozoa, 2085; influence of iodine on spermatozoa, 1382; effect of tobacco smoke on spermatozoa, 1381; effect of sulphanilamide in diluent, 1171; are the seminal vesicles receptacles of semen, 1700.
Seminal Vesicles. Are the seminal vesicles receptacles of semen, 1700.
Testicle. Role of testicle in endocrine system, 606; epididymo-orchitis in rams and *P. pseudotuberculosis*, 657; testicle size of fertile and infertile billy goats, 1533.
Uterus. Action of penicillin on uterine muscle, 1159; action of adrenaline and choline on the uterus of the sheep, 1705.
GERMANY. See Brucella Infection, immunization; Insemination, Artificial; Public Health; Reports; Services Veterinary.
GESTATION. See Pregnancy.
GIANT CELLS. Origin of multinucleate foreign-body giant cell, 970.
GIZZARD WORM. See Amidostomum.
GLANDERS. See Pfeifferella Mallei Infection.
GLASSER'S DISEASE. See Haemophilus Infection.
GLAUCOMA. See Eyes.
GLIOTOXIN. See Antibiotics, aspergillus products.
GLOSSINA. Intercolonial conference on trypanosomiasis, 1425; in Kenya, 1021; in South Africa, 1798; in Swaziland, 813; influence of climate on tsetse fly, 84; climograms in study of, 85; tsetse repellants, 1869.
See also D.D.T.; Trypansoma Infection.
GLYCOLS. See Airborne Infection.
GOATS. Notes on goats, horns and beards, 1236.
See also Agalactia, Caprine Contagious; Amphistoma; Babesia Infection, general; Clostridium Infection; Genital System, testicle; Lungworms; Mange; Phenothiazine; Pleuro-pneumonia, Caprine Contagious; Rinderpest; Schistosoma.
GOITRE. See Thyroid Gland.
GOLGI'S APPARATUS. See Cells.
GRAAFIAN FOLLICLE. See Genital System, ovary.
GRAMICIDIN. See Antibiotics, various.
GRAMMOCEPHALUS. See Helminth Parasites.
GRASS SICKNESS. In Sweden, 1483.
GREAT BRITAIN. See Reports.
GREECE. See Reports.
GROWTH. See Thyroid Gland; Wounds.
GUINEA PIGS. See Mycobacterium Tuberculosis Infection, general; Nutrition and Nutritional Diseases; Vitamins, vitamin C.
GUTTURAL POUCHES. Empyema of guttural pouches in horses and its treatment, 2047.

H

HAEMAGGLUTINATION TEST. See Immunology, haemagglutination and haemagglutination inhibition tests.
HAEMOGLOBIN. See Blood, general.
HAEMOGLOBINURIA, PUERPERAL. In a mare, 930; in cattle in South Africa, 2092; a wartime disease of dairy cows, 381.
HAEMOGLOBINURIA, BOVINE BACILLARY. See Clostridium Infection, in cattle.
HAEMATURIA, BOVINE ENZOOTIC. In Canada, 1013.
HAEMONCHUS, 103.
HAEMOPHILUS INFECTION. Glasser's disease of swine, 278; in pigs causing disease resembling Glasser's Disease, 278; Glasser's disease, 278; Glasser's disease in Queensland, 2316, 2317; fibrinous polyarthritis and serositis in piglets, 461.
HAEMOPROTEUS. In pigeons in Syria, 54; in pigeons, 405.
HAEMORRHAGIC DIATHESIS. See Dogs, diseases general. Vitamins, vitamin K.
HAEMORRHAGIC SEPTICAEMIA. See Pasteurella Infection, in cattle.
HAIR. Artificial coat colouration and the growth of hair, 1202.
HALAMID. See Disinfectants.
HAMSTERS. Response to Newcastle virus, 1994.
HARES. See Wild Animals and Birds.

HEART. Histology of the moderator band in man and animals, **2066**; injury of the myocardium in F. and M. disease, **2177**; two cases of Adams-Stokes disease in horses, **548**; pathology of the heart in a horse with the Adams-Stokes syndrome, **547**; endocarditis in domestic animals, **1324**; sudden death in calves with myocardial degeneration, **1328**; treatment of heart disease in dogs and cats with vitamin E, **1210**.
See Echinococcus; Herztod; Round Heart Disease; Vitamins, vitamin E.
HEARTWATER. In Swaziland, **812**, **813**.
HEAT REGULATION. Hormones and heat regulation, **157**; heat tolerance in Jersey cows, **2094**; effect of warm weather on grazing performance of cows, **2095**; heritability of heat tolerance in cattle, **1389**; effects of shade and sprinkling with water on temperature of cows, **1390**; effect of diet and body condition on heat regulation in merino sheep, **1918**; heat conservation in rabbits, **758**.
See also Temperature, Body; Temperature, Environmental.
HEBRIDES. See Trace Elements.
"H" FACTOR. See Histamine.
HELIOTROPIUM EUROPAEUM. See Poisoning, plants.
HELMINTH PARASITES.
General. Research on helminth parasites, **1310**; control of helminth parasites, **1309**; some parasites of elephants (Grammocephalus spp), **913**; of geese in Jugoslavia, **347**; associated with Teschen disease, **1604**; nutritional standards and intestinal parasitism of man in France, **517**.
See also Anthelmintics; Books, parasitology; Cestodes; Nematodes; Trematodes.
Diagnosis. Of internal parasites of sheep, **99**.
HEPARIN. See Therapeutics.
HEPATITIS. Contagious hepatitis a virus disease of dogs, **1606**; infectious hepatitis a water borne epidemic, **1996**.
See also Liver, diseases.
HEPATITIS, INFECTIOUS. Transmission by milk, **822**.
HEREDITY. Congenital luxation of the hip in rabbits, **389**.
See also Neoplasms, causation.
HERMAPHRODISM. See Genital System, general.
HERZTOD. Sudden fatal syncope of pigs, **1329**; syncope in pigs, **2021**; relation of thyroid gland to, **125**.
HETERAKIS. Blood picture of chickens before and after infection with *H. gallinae*, **598**.
HETERODENDRON OLEIFOLIUM, 1143.
HETEROSIS. See Thyroid Gland.
HEXACHLORETHANE. See Anthelmintics; Fasciola.
HIBERNATION. See Immunology, general.
HIDES AND SKINS. Skin diseases which damage leather, **214**.
See also B. Anthracis Infection, general.
HIPPOMANES. See Sex Hormones, general.
HISTAMINE. Anti-histamine action of alkyloxytriazines, **1189**; treatment of asthma in g. pigs produced by atomized histamine, **1506**; Lewis "H" factor in post-operative lung complications, **1833**.
See also Histones; Laminitis; Mycobacterium Tuberculosis Infection, tuberculin test.
HISTOMONAS MELEAGRIDIS INFECTION [BLACK HEAD]. Infectious enterohepatitis in turkeys. A review, **302**.
HISTOPLASMA. Cross reactions between histoplasmin and blastomycin, **1302**.
HISTONE. Antihistamines in small animal practice, **1687**.
See also B. Anthracis.
HISTORY. See Books.
HOG CHOLERA. See Swine Fever.
HOLLAND. See Copper, deficiency; Diseases, General; Food Inspection, meat; Reports; Trichomonas Infection, in cattle.
HOOKWORMS. See Bunostomum.
HORNS. Horns mobile at the root, **1919**.
HORSES.
General. See Blood, general; Lactation; Pregnancy Diagnosis; Zootechny.
Bacterial Diseases. See Brucella Infection; Clostridium Botulinum Intoxication; Cryptococcus Farciminosus Infection; Digestive System, stomach; Pfeifferella Mallei Infection; Salmonella Infection; Spirochaeta Infection, general; Sporothrichosis.
Diseases, General. Sudden death in horses and its connection with focal infection, **929**; endogenous intoxications, **1129**; "Birdsville disease," **931**; curability of "dumkoller," **198**; purpura haemorrhogica, **1130**; tallebudgera disease in Queensland, **2317**; treatment of serofibrinous pleurisy by urotropine, **189**.
See also Guttural Pouches; Grass Sickness; Haemoglobinuria, Puerperal; Heart; Laminitis; Lymphatic System; Ostitis Fibrosa; Skin, diseases; Thrush.
Poisoning. See Photosensitization; Poisoning, plants.
Virus Diseases. See Abortion, Equine Virus; Anaemia, Equine Infectious; Broncho-pneumonia, Equine Infectious; Horse Sickness, African; Influenza; Rabies.
HORSE SICKNESS, AFRICAN. In Kenya, **1021**.
HUMIDITY. See Airborne Infection; Temperature, Environmental.
HUSBANDRY, ANIMAL. See Zootechny.
HYALOMMA, 1181; revision of the genus, **337**; ecology of *H. anatolicum*, **1089**.
HYALURONIDASE. Mechanical factors in hyaluronidase action in skin, **969**; failure of sodium salicylate to inhibit, **1884**.
See also Genital System, semen and spermatozoa.
HYDRARTHROSIS. See Joints.
HYDROCYANIC ACID. See Poisoning, plants.
HYDROGEN PEROXIDE. See Anthelmintics.
HYGIENE. Of farm buildings, **1527**; the unburied body, **801**.
HYPERKERATOSIS. "X disease" of cattle, **933**.
HYPOCUPRAEMIA. See Copper, deficiency.
HYPODERMA. See Oestridae, warbles.
HYSTERIA, CANINE. Running fits in dogs, **382**; diet and canine hysteria, **1628**; agene treated flour and canine hysteria, **1629**; nitrogen trichloride and canine hysteria, **1630**; agene and causation, **1631**; white bread and epilepsy in animals, **1632**; agenized flour and running fits, **1633**; toxicity of agenized flour, **1634**; canine hysteria and wheat, **1635**.

I

ICELAND. See Mycobacterium Tuberculosis Infection, general.
ICTERUS NEONATORUM. See Jaundice.
IDENTIFICATION OF ANIMALS. See Zootechny.
ILEUM. See Digestive System, intestines.
IMMUNOLOGY.
General. Role of vascular wall, **973**; immunity and cellular permeability, **2202**; immunology of some virus diseases, **1612**; the delayed immunity response, **1301**; infection and immunity in hibernating animals, **1298**; bacterial infections and immunity in lower vertebrates, **1087**; influence of adsorbents and enveloping substances on immunity, **1299** and **1300**; role of plasma cells as antibody producers, **507**; role of bacterial capsule in infection and immunity, **1795**; pre-and post-natal development of immunity, **500**; immune proteins in colostrum and plasma, **595**; antitoxin in colostrum of immunized mares, **902**; colostral transmission of antibodies, **1613**; immunization by the foetus in mares which have had mule foals and its relation to icterus neonatorum, **356**; blocking antibodies in mares which have had jaundiced mule foals, **357**; icterus and anaemia following ingestion of haemolytic serum in new-born rats, **508**; immunochemical studies on blood groups, **78**, **79** and **80**; effect of nutrition on resistance to infection, **2010**; effects of protein-depletion on response to immunization, **2013** and **2014**; tissue immunity in mouse poliomyelitis, **1443**; resorcin flocculation—Vernes' reaction, **329**; relation of penicillin and sulphonamide therapy to immunity, **1152**; effect of mass of inoculum on virulence, **327**.
See also under names of specific diseases.
Allergy. Histological and serological sequences in hypersensitivity, **1086**; role in delayed healing of wounds, **776**; psychosomatic aspects of allergic disorders, **1690**.
Anaphylaxis. Gonadotrophins and anaphylaxis, **770**; effect of testosterone castration, **774**.
Antibodies. Action of peptic and tryptic enzymes on antibodies, **2203**; impaired antibody response in pyridoxine-deficient rats, **2209**.
Antigens. Saccharolipoid antigens, **666**; persistence at site in vaccine emulsified in oil, **851**; fungus antigens. Cross reactions between histoplasmin and blastomycin, **1302**; antigenic properties of iodinated proteins, **1451**.
See also Streptococci, general.
Complement Fixation. In diagnosis of neurotropic virus disease, **489**; complement fixation with virus systems, **2181** and **2182**; complement and haemolytic and complement-fixing amboceptors, **520**; effect of pregnancy on complement of g. pigs, **1614**; complement and the phagocytosis-stimulating action of immune serum, **1616**.
See also complement fixation test.
Haemagglutination and Haemagglutination Inhibition Tests. Virus haemagglutination, **900**; virus action on red cells, **1790-1792**; a substance from human red cells inhibiting virus haemagglutination, **1997**; "false positive" haemagglutination by allantoic fluids of chick embryos, **1999**; effect of salt concentration on agglutination by influenza virus and antibody, **1794**; nonspecific serum inhibition of influenza haemagglutination, **1594**; dissociation of haemagglutinating and antibody-measuring capacities of influenza virus, **698**; reaction between red cells and Newcastle disease virus, **2180**; influence of route of inoculation of Newcastle disease virus in the chick-embryo, **695**; haemagglutinins of vaccinia and ectromelia viruses, **1998**; interference between human pneumonitis virus and psittacosis virus, **2198**; red cell agglutinating agent in lungs of virus-infected mice, **1793**.

IMMUNOLOGY—[cont'd.].
Interference Phenomena. Study by electron microscope with bacteriophages, 700; interference between human pneumonitis virus and psittacosis virus, 1786; studies with the psittacosis-lymphogranuloma group of viruses, 2197; in influenza, 1983.
Placental Transmission. Placental transmission of antitoxin, 901; pre-and post-natal immunity, 500.
To Metazoa. Protein-deficient diets and immunity to nematode infection, 109.
To Protozoa. See Eimeria Infection; Trichomonas Infection, in cattle; Trypanosoma Infection.
IMPOTENCE. Impotence in rams, 2293.
INCLUSION BODIES. In intestinal epithelial cells in epidemic diarrhoea in mice, 2020; intranuclear inclusion bodies in the kidneys of rats, 1782.
INDIA. See Fluorine; Leucosis, avian; Nematodes; Reports; Services, Veterinary; Trypanosoma Evansi Infection; Zootechny.
INFERTILITY. In domestic animals, 2292; in cows on upland grazings, 925.
See Sterility.
INFLAMMATION. Biochemistry of inflammation, 165.
INFLUENZA.
General. Effect of ultraviolet irradiation on virus, 2179; nucleic acid and carbohydrate of influenza virus, 886; aether anaesthesia and influenza virus pneumonia in the mouse, 1197; relationship to Newcastle disease and mumps viruses, 1995; complement fixation with influenza viruses and antisera, 2181.
Immunology. Antibody response in serum of infants, 65; red cell adsorption and elution method of preparing vaccine, 506; standardizing vaccine by red cell agglutination and antigenic tests in mice, 505; immunology and interference phenomenon, 1983.
In Horses. Equine influenza (pink eye) with notes on pneumonia, bronchitis and infectious anaemia, 884.
In Swine. In Europe, 67.
Virus. Adsorption of influenza virus, 1436; strains from three epidemics, 1437; action of ferret serum on virus, 1593; mechanism of adaptation of virus to mice, 1595; effect of streptomycin on influenza in chick embryos, 743; inactivation by vapours, 490; effect of quinine on influenza virus infections in mice, 576.
See Immunology, haemagglutination and haemagglutination inhibition tests.
INJECTIONS. See Technique, general.
INJURIES. Treatment with propidon, 1688.
INSECTICIDES. See Parasiticides.
INSEMINATION, ARTIFICIAL. Artificial insemination [A review], 2081; experiences of artificial insemination, 358; in Germany, 360-362; artificial insemination and Darwinism, 2281; relation between fertilization and number of spermatozoa introduced into vagina, 2288; practical aspects, 1698; flask for transport of semen, 1699; preservation and transport of semen, 2289; use of gelatin in diluents for semen, 2290; in mares, 1896; of mares with gelatinized semen, 1898; control of ovulation in the mare with reference to insemination with stored semen, 2083; in mares, 2282; collection of donkey semen, 2284; influence of age on breeding efficiency of cows, 772; of cattle in Moscow, 1897; of cows with semen in gelatin capsules, 1899; of cows in Australia, 2082; results obtained with transported bull semen, 2285; spread of brucellosis by bulls at artificial insemination centres, 284; in sheep with transported semen, 1900; of sheep by the capsule method, 2286; an artificial vagina for use in swine, 2283; of geese, 2287.
INTERFERENCE PHENOMENON. See Immunology.
INTERNATIONAL ORGANISATIONS. U.N.R.R.A. veterinarian's duties, 987; U.N.E.S.C.O. initiates cooperation in abstracting biological and veterinary sciences, 1931; report on animal health, 1930; F.A.O. sub-committee on animal health, 821.
INTERSEXES. See Genital System, general.
INTESTINES. See Neoplasms, general and in domestic animals.
IODINE. See Lactation.
IODINATED PROTEINS. See Immunology, antigens; Thyroid Gland.
IPOMAEA CALOBRA, 1144.
IRAN. See Tryp. Evansi Infection [Surra].
IRON. Toxicity of some therapeutic iron preparations, 1135.
See Blood, general and serum.
ISOTOPES. See Radioactive Substances.
ITALY. See Newcastle Disease; Salmonella Group; Services, Veterinary; Rickettsial Infection.

J

JAAGZIEKTE. See Adenomatosis, Pulmonary.
JACKALS. See Babesia Infection, in dogs; Spirochaeta Infection.
JAMAICA. See Reports.
JAPAN. See Encephalitis; Rickettsial Infections General.
JAUNDICE. Diagnosis in the horse and dog, 372; in newborn mule foals, 355; immunization of the mare by the foetus in mares which have bred mule foals, 356; blocking antibodies in mares which have had jaundiced mule foals, 357; jaundice in new-born foals, 2207; icterus following ingestions of haemolytic serum in new-born rats, 508; in cattle in California, 1025; enzootic (toxaemic) jaundice in sheep, 941 and 1637.
JOHNES' DISEASE. See Mycobact. Johnei Infection.
JOINT-ILL. In foals, 23; sulphathiazole in treatment, 1675.
JOINTS. Synovial membrane and fluid, 142; tendo-vaginitis and bursitis in horses due to *S. abortus equi*, 662; hydrarthrosis of the stifle in foals, 371; polyarthritis in piglets, 461; polyarthritis in lambs caused by *Erysipelothrix rhusiopathiae*, 651; heredity luxation of hip in rabbits, 389.
JUGOSLAVIA. See Yugoslavia.

K

KEDS. See Melophagus.
KENYA. See Milk and Milk Products, general; Reports.
KERATITIS. See Phenothiazine.
KETOSIS. Causation, 535; occurrence in dairy cattle on pasture, 1826; treatment in cows, 1323; treatment with "adynol compound," 1123; adynol and adynol composition in treatment of ketosis, 1124.
KIDNEYS. Artificial kidneys, a dialyser with a great area, 1922; uraemia in calves, 1652; kidney damage in dogs caused by nephrotoxin, 1658; nephritis in mice on modified diets, 713; tubular resorption test in acute nephritis, 2067.
See also Choline; Inclusion Bodies; Mycobacterium Tuberculosis Infection, general; Neoplasms.
KIDNEY WORM. See Stephanurus.
KLEBSIELLA. See Wild Animals and Birds.
KNOPVELSIEKTE. See Lumpy Skin Disease.
KOREA. See Public Health; Services, Veterinary.
KUDU. See Mycobact. Tuberculosis Infection, in wild animals.
KUSSMAUL'S DISEASE. See Periarteritis Nodosa.

L

LABORATORY ANIMALS. U.F.A.W. handbook of care and management of laboratory animals, 1026; breeding for study of growth and virulence of infections by statistical methods, 621; feeding and breeding g. pigs, 922.
See also Technique, general.
LABYRINTHITIS. In rats, 936.
LACTATION. A lactation vitamin, 1477; influence on blood picture of dogs, 1703; effects of steroids on lactation, 1890; iodine and failing lactation, 2029; effect of deoxycorticosterone on lactation, 963 and 964; hormonal treatment of deficient lactation, 1190; hormonol treatment of agalactia in the mare, 977; nerve regeneration in the udder, 2265; lactation leucopenia in rats, 1643; measurement in the rat, 143.
See also Bones; Nutrition and Nutritional Diseases, general.
LACTIC ACID. Lactic acid content of blood of horses before and after work, 2268.
See also Arthritis.
LAMBS. See Sheep: Staphylococcus Infection.
LAMINITIS. Histamine and causation. Treatment with antergan, 1188.
LARYNGOTRACHEITIS. Feather follicle method of vaccination, 1785.
LAVENDULIN. See Antibiotics, actinomyces products.
LAW. Milk and Dairies Statutory Orders, England, 410; responsibility for drugs supplied, 555.
LEAD ARSENATE. See Anthelmintics.
LEATHER. See Hides and Skins.
LECITHINASE. See Clostridium Welchii Infection.
LEEWARD ISLANDS. See Reports.
LEISHMANIA INFECTION. Skin lesions in canine Leishmaniasis, 876; effects of immune blood on parasites, 47; the role of the dog in transmission, 479; cultivation of *Leishmania*, 45 and 46; natural infection of *Phlebotomus chinensis* with leishmania flagellates, 334; relation of development of *L. donovani* to the temperature curve, 682.
LENTIN. See Therapeutics.
LEPTOSPIRA INFECTION.
In Cattle. Icterohaemoglobinuria of ruminants in Palestine, 1067; *L. bovis* infection in man in Palestine, 1757; Prophylaxis, 59.
In Dogs. Canine leptospirosis, 485; leptospirosis in dogs, 1967; in Calcutta, 865; leptospiral jaundice of dogs in France, 1419; treatment with penicillin, 1663; *L. canicola* infection in man, 678.
In Man. Infection of man in Palestine with *L. bovis*, 1757; swineherd's disease [*L. pomona*], 867; in Central Africa, 866; human infection with *L. canicola*, 867.
In Pigs. Swineherd's Disease, 867.

LEPTOSPIRA POMONA, 867.
LETHANE. See Poisoning, organic substances.
LEUCAEMIA. See Leucosis.
LEUCOPENIA. See Blood, corpuscles (white).
LEUCOSIS.
Avian. Genetic control of lymphomatosis, 707; visceral lymphomatosis, 708; aetiology of lymphomatosis, study of "chick disease," 1291; association of "chick disease" virus with field cases of lymphomatosis, 1292; lymphomatosis in chickens free from the "chick disease" virus, 1293; effect of rearing environment on incidence, 1082; osteopetrosis in avian leucosis, 706; avian leucosis complex in India, 2236.
In Dogs. Two severe cases, 376.
In Cattle. Pathology of reticulo-endothelial system, 1098.
In Horses. Leucaemia with local adenopathy in a mare, 145.
LICE. Biting lice of turkeys, 331; commensalism with hippoboscid flies on a pigeon, 82.
LICHEN. See Antibiotics, various.
LIGNIN. See Technique, general.
LIPOIDS. See Genital System, semen and spermatozoa.
LISTERIASIS. See Erysipelothrix Monocytogenes Infection.
LITOMOSOIDES. See Filariae.
LIVER.
General. See Vitamins, vitamin A.
Diseases. Biochemical tests in diagnosis of infective hepatitis, 1083; biochemical and histological findings in liver disease, 1334; lipotropic factors and fatty liver produced by feeding cholesterol, 1465; histopathology of focal hepatitis ("sawdust" and "telang" liver) in cattle, 2246; telangiectasis, "sawdust" and abscesses in the liver of beef cattle, 2247; toxic liver dystrophy in dogs, 1649; hepatic cirrhosis and choline deficiency, 380; collagen content in experimental cirrhosis, 1819; dietary cirrhosis and carbon tetrachloride cirrhosis in rats and g. pigs, 539; congenital atresia of the hepatic bile ducts in a cat, 1832.
See also Fusiformis Necrophorus Infection; Jaundice.
LIZARDS. See Salmonella Infection, general.
LLAMAS. See Mange, general.
LOLIUM SPP. See Poisoning, plants.
LUCILIA, 95.
LUHSIA BOVIS. See Babesia Infection, in cattle.
LUMPY SKIN DISEASE. In Basutoland, 1012; knopvelsiekte in Southern Africa, 1988; notes on lumpy skin disease, 1987; in Swaziland, 813.
LUNGS. Respiratory air flow in relation to disease, 423; pulmonary permeability, 558; the segments of the lungs, 1517; Lewis "H" factor in post-operative lung complications, 1833.
See also Lungworms.
LUNGWORMS. Epidemiology in cattle, 1093; parasitic bronchitis in calves with *Actinobacillus actinoides* infection, 1755; in sheep, goats and cattle, 1313; seasonal incidence in sheep, 1312; of sheep in Morocco, 100; verminous pneumonia in Morocco, 346; histopathology in sheep and goats with reference to muscular hypertrophy of the lung, 1092.
See Neoplasms, causation.
LUPUS. See Mycobact. Tuberculosis Infection, treatment.
LYMNAEA. *L. brazieri* transmitter of liver fluke in sheep in S. Australia, 2221.
LYMPHANGITIS, EPIZOOTIC. See Cryptococcus Farciminosus Infection.
LYMPHATIC SYSTEM. Inflammation of pre-scapular and inguinal lymph nodes in horses, 1646; lymph node regeneration in rabbits, 974; changes in lymph nodes of rats produced with advancing age, 1368; lymphoid organs and lymphocyte production in rats, 2058.
LYMPHOMATOSIS. See Fowl Paralysis; Leucosis, avian.
LYMPHOSARCOMA. See Neoplasms, general.
LYPEROSIA. See Siphona.
LYOPHILIZATION. See Technique, bacteriology.
LYSOZYME. Bacterical lysis by lysozyme, 293.

M

MADRAS. See Pleuro-pneumonia, Caprine Contagious.
MAGNESIUM. Study of distribution using radioactive isotopes, 1822.
See also Blood, general.
MALLEIN. See Pfeifferella Mallei Infection.
MALLOPHAGA. Of fowls, 333.
See also Lice.
MALVASTRUM SPICATUM, 1145.
MAMMARY GLAND. See Lactation; Udder.
MAN, DISEASES OF ANIMALS TRANSMISSIBLE TO AND FROM. Diseases of man transmissible to animals, 719; human strains of streptococci in animals, 1551; Salmonella transmitted by duck eggs, 1054; human infection with bovine tuberculosis [A monograph], 442; *L. canicola* infection, 678; infection of man with ovine contagious dermatitis, 1078; vertebrate hosts and arthropod vectors of yellow fever, 1295; conjunctivitis in man associated with Newcastle disease virus, 898; possible relationship between encephalitis in man and in cats, 694, 695; mammalian hosts of tick typhus in Queensland, 1621; role of dog in transmission of leishmaniasis, 479; *Sarcoptes scabiei* var *equi* in man, 1307; transmission of sarcoptic mange from cattle to man, 907.
See also Dermatitis, Ovine Contagious.
MANGANESE. Effects on fowls, 1321.
MANGE.
General. Psoroptic otacariasis of the horse, 338; *S. scabiei* var *equi* in man, 1307; sheep scab in Bulgaria, 91; psoroptic mange in goats and *Notoëdres* infection in cats in Brazil, 92; sarcoptic mange in the alpaca, 1622; sarcoptic in rabbits, 340; in the white mouse, 1091.
In Cattle. In cattle in Switzerland, 339; sarcoptic mange in cattle, 907.
Treatment. In horses by sulphur dioxide in gas chambers, 187; cure of sarcoptic mange, 1351; gammexane for sarcoptic and demodectic mange in dogs and for otodectic mange in cats, 2042; dimethyl phthalate for notoedric mange in rabbits, 1871; chaulmoogra oil for demodectic mange in dogs, 188.
MANURE. See Sex Hormones, Androgens.
MARKETS. Restrictions on sale of cattle, 1694-1695.
MARROW. See Bones.
MAST CELLS. See Neoplasms, general.
MASTITIS, BOVINE.
General. Some diseases of dairy cattle, 720; diagnosis, 1397; in Orissa, 1849; in Egyptian dairy cattle, 2120; streptococcal mastitis, 243; streptococcal mastitis in buffaloes, 2119; bovine gangrenous mastitis, 474; prevention, 245.
Pathogenesis. Bacteria in normal udders, 3.
Treatment. Methods of treatment in farm animals, 1505; treatment and control of clinical cases, 567 and 568; diathermy treatment, 1729; penicillin in chronic *Str. agalactiae* infection and clinical staphylococcal infections, 244; penicillin for acute cases in non-lactatory cattle, 565; volume of water as vehicle for penicillin and treatment of chronic streptococcal mastitis, 1492; limitations in use of penicillin, 1342; penicillin concentration in blood and milk of cattle, 738; concentration of penicillin in udder following infusion and penicillin tolerance of certain streptococci, 1848; dosage of penicillin and some factors affecting results, 1034; penicillin bougies, 1343; treatment of *Strept. agalactiae* infections with penicillin, 1662; combination of penicillin and sulphonamides, 1660; treatment with crude penicillin, 1493; penicillin in *Corynebact. pyogenes* mastitis, 737; by penicillin, 400, 402, 566, 945, 946, 1846, 1847.
MATRICARIA INODORATA. See Parasiticide.
MAURITIUS. See Reports.
MEAT INSPECTION. See Food Inspection.
MELOPHAGUS, 95, 1682.
MENINGITIS. See B. Anthracis Infection, general; Encephalitis.
MERCURIAL COMPOUNDS. See Antidotes; BAL.
METACHLORIDINE. See Trichomonas Infection, avian.
METAL CHLORIDES. See Bacteria, General.
METHAEMOGLOBINAEMIA. Treatment, 1194.
METHYLENE BLUE. See Nervous System, diseases..
MEXICO. See Foot and Mouth Disease, general.
MICE. Parasites of mice, 330.
See also B. Piliformis Infection; Diarrhoea; Genital System, general and ovary; Influenza, virus; Mange, general; Pleuro-pneumonia Group; Pneumonia; Poliomyelitis; Skin, general; Spirillum Infection.
MILK FEVER. Possible role of vitamin D., 530.
MILK AND MILK PRODUCTS.
General. Milk Industry in North America, 202; composition of South African milk, 1691; provision of safe milk supply in S. Africa, 1692; composition of mare's milk, 1209; quaternary ammonium compounds as preservatives for milk, 1689; animal health in relation to milk production, 1230; constituents of the solids-not-fat of Kenya milk, 1462; milk hygiene, 411; determination of filth in dairy products, 1376; nutrient value of dairy products as affected by methods of handling, 1891; grading pasteurized milk, 412; relation of total solids and fats to atmospheric temperatures, 1914; genetic control of correlation of fat, protein and lactose in milk, 1908; effect of applicaton of water to the body surface on milk yield of buffaloes, 1917; effect of sunshine on ascorbic acid and riboflavin content of milk, 1373; influence of pH on attraction of fat globules to leucocytes in milk, 592.
See also Books, dairying and hygiene; Cobalt; Law; Vitamins, general.
Bacterial Content. Bacteriological grading of milk, 1229; bacterial content after machine milking, 778; heat resistant coliform organisms in pasteurized milk, 980; *Br. melitensis,* 285; bacterial content of Calcutta milk, 2275.
See also Streptococci, typing.
Transmission of disease by. Examination of pasteurized milk for TB., 1377; tubercle bacilli in milk, 1257

MILK AND MILK PRODUCTS—[cont'd.].
Transmission of disease by—]cont'd.[.
pasteurization in Quebec, **979**; outbreak of paratyphoid B at Wootton, **850**; transmission of infectious hepatitis by milk, **822**.
MILKING MACHINES. Efficient milking, **203**; bacterial content after milking by machine, **778**; milking technique, **1712**.
MINERALS. See Nutrition and Nutritional Diseases.
MINK. See Anaemia; Salmonella Infection; Wild Birds and Animals.
MITES. Life cycle and hosts of the chicken mite *(Dermanyssus gallinae)*, **2220**; tyroglyphid mites and bronchitis in monkeys, **1308**.
See Encephalitis; Encephalomyelitis, Equine; Trombididae.
MODERATOR BAND. See Heart.
MOLLUSCUM CONTAGIOSUM. Resemblance to fowl pox and pigeon pox, **1789**.
MOLYBDENUM. Molybdenum poisoning of cattle in California, **1024**; in prevention of enzootic (toxaemic) jaundice in sheep, **1637**; limiting effect on copper storage in sheep, **1726**; inhibition of catechol bacteriostasis by molybdates, **1338** and **1339**.
MONGOOSE. See Rabies.
MONIEZIA. In sheep, goats and cattle, **1313**.
MONILIA. Moniliasis in turkeys and fowls, **1581**.
MONKEYS. See Encephalomyelitis; Genital System, general; Mites; Vitamins, vitamin B (Folic Acid) and vitamin E.
MONOCYTOSIS, AVIAN. See Blue Comb Disease.
MOROCCO. See Diseases, General; Lungworms.
MOSQUITOES. Use of aeroplanes in control, **342**.
See D.D.T.; Encephalitis; Mycobacterium Leprae; Parasiticides.
MOULDY FODDER. Toxicity of wintered fodder plants, **1657**.
See Poisoning, plant poisons.
MOULTING. See Thyroid Gland .
MUCIN. See enzymes; Genital System, general; Viruses.
MULBERRY CELLS. See Trypanosoma Infection, general.
MULES. See Jaundice; Photosensitization; Spirochaeta Infection, general; Sporotrichosis.
MULES OPERATION. See Blowflies.
MULTIPLE BIRTHS. See Sheep, general.
MUSCLE. Waxy muscle degeneration in calves, **134**; muscular dystrophy (White muscle disease) in calves, **537**; bruising of the transverse abdominal muscle in lambs, **1830**; antistiffness factor and phosphorus content of muscle in g. pigs, **383**; afferent nerve endings in the intermuscular plexus of the dog's oesophagus, **2266**.
MUSTARD GAS. See Poisoning, organic substances.
MYCOBACTERIA, GENERAL. Effect of streptomycin on metabolism of benzoic acid by mycobacteria, **2033**.
MYCOBACT. JOHNEI INFECTION (JOHNE'S DISEASE). Control, **457**; in dairy cattle, **720**.
MYCOBACTERIUM LEPRAE. Disparity in appearance between true Hansen's bacilli and cultured "leprosy bacilli" when stained for fat, **1946**; an acid-alcohol fast bacillus from a mosquito in a leper colony, **1562**.
MYCOBACT. TUBERCULOSIS.
General. von Halberg's staining technique, **1718**; detection of organism by fluorescence microscopy, **2134**; morphology of organism. Artifacts in smears, **1259**; granules in organisms, **1260**; study of mycolic acid from the human tubercle bacillus, **1495**; a carbohydrate-lipoid complex from human type organisms, **1561**; specific metabolic products not present in urine of patients, **2133**; lysis of *M. tuberculosis* by liquid paraffin, **1407**; streptomycin-resistant variants, **1667**; action of glycerite of hydrogen peroxide, **1043**.
Cultivation. New method for isolation, **13**; diagnostic culture, **17**; isolation by foam method, **248**; isolation from excreta, **1038**; culture on Dubos medium, **1258**; effect of water soluble lipoids on growth, **1165**; action of mono-alkyl and dialkyl succinic acid and their derivatives on growth, **1167**; effect of glycerol on growth and oxygen uptake, **456**; Hohn's medium of cultivation, **2135**; bacteriostatic properties of culture filtrates, **181**; inhibition of growth by mycocidin, **647**; action of penicillin on cultures, **1162**; growth retardants, effect of caramelization, **839**.
See also Technique, bacteriology.
MYCOBACT. TUBERCULOSIS INFECTION.
General. Epidemiology, **250**, **251**; in Iceland, **252**; symptoms and pathogenesis, **253**; pulmonary intravascular pressure and resistance to infection, **256**; notification of cases, **257**; incidence and eradication in dairy cows, **640**; has the bovine type organism an affinity for the kidney, **642**; strains having predeliction for testicle, **1040**; effect of thyroid on experimental infection, **1261**; body weight of experimentally infected g. pigs, **1037**; weights of experimentally infected g. pigs, **2125**; simultaneous infection with TB and rickettsia in g. pigs, **268**; experimental TB in g. pigs infected with typhus rickettsiae, **2126**; tubercle bacilli in milk, **1257**; milk, cream, meat, cheese and eggs as carriers of TB, **1944**; interinfection in animal TB, **2122**; leucocyte counts in tuberculin positive and clinically affected animals, **1402**; endocrine diseases and TB, **155**; carriers of infection, **15**.
See also Food Inspection, meat.
In Cattle. Bovine tuberculosis: a text book, **234**; bovine TB, past, present and future, **1943**; in China, **1644**; in India, **1018**; notification in cattle, **2123**; no visible lesions in cattle and its relation to avian TB, **840**; types of bacilli in bovine TB, **1039**; human type TB in cattle, **1401**; killing TB in carcasses by flaming after stripping pleura and peritoneum, **982**.
Control. Co-operative eradication, **1045**; control of bovine TB, **836**; control in cattle, **1404**; in California, **1022**; in Czechoslovakia, **16**; in Denmark, **249**, **1015**, **1556**; in Egypt, **259**; in Sweden, **818**, **819**; regulations for control (Switzerland), **258**, **837**.
In Dogs. Tuberculous septicaemia, **12**; incidence in dogs in Malmö, **935**.
In Fowls. Intravenous infection of chick embryo, **14**; avian-swine problem in Iowa, **643**.
Immunization. Relation of avian TB to visible lesions TB in cattle, **840**; avian TB in Brazil, **1255**; experimental study of vaccination, **260**; live and killed vaccines, **644**; BCG vaccine, **261**, **262**, **263**, **264**, **265**, **266**, **455**, **501**, **2130**; tuberculin reactions in BCG sensitized g. pigs, **267**; vole bacillus vaccine, **2132**; influence of route of infection on sensitization, **269**; takata reaction, **271**; antigens from paraffin oil extract of dead tubercle bacilli, **1346**; antigenic carbohydrate-lipid from dead organisms, **1041**; effect of tubercle bacilli on the antigenicity of oleic acid, **1042**; reinfection of cattle, **454**; relationship of resistance, allergy, antibodies to the components of the organism, **270**.
In Man. Epidemiology in man, **2124**; a survey of TB in British Empire, **1559**; bovine infection in man [A monograph], **442**; a survey in Lanarkshire, **1557**, **1558**; incidence in Sutherland, **805**; central TB scheme for Northern Ireland, **806**.
In Swine. In Canada, **1013**; an acid fast bacillus from pigs with lesions resembling those of avian type TB, **1405**.
Treatment. Fundamentals of chemotherapeutic and antibiotic action, **641**; experimental study of chemotherapy, **1496**; calcium content of skin in lupus treated with calciferol, **1742**; chemotherapeutic trials with PAS (p-aminosalicylic acid), **180**; treatment of pulmonary TB with PAS, **1166**; tests with glycerite of hydrogen peroxide, **1043**; diasone in experimental TB in g. pigs, **571**; streptomycin in experimental TB, **1347**, **1406**; remote threshold therapeutic action of streptomycin, **1164**; effect of streptomycin on experimental TB in mice, **742**; frequency of administration of streptomycin in treatment of TB in g. pigs, **1858**; streptomycin resistant strains, **645**; action of *B. subtilis* and its products, **569**.
See also Antibiotics, actinomyces products; Sulphonamides, sulphasuxcidine.
Tuberculin Test. The tuberculin test, **2127**; in horses, **453**; "no visible lesion" reactions in horses, **1403**; intradermic test, **838**; gauge for intradermal test, **1009**; a cause of error in interpreting intradermal reactions, **1044**; leucocyte count in cattle reacting to intradermal test, **971**; blood leucocyte picture during the intradermal test in "skin lesion" reactors, **2128**; action of light on the cutituberculin test, **2129**; tuberculin proteins, **272**; sensitization to tuberculin by injection of chemical substances, **1741**; role of histamine in reaction, **649**; histamine and tuberculin sensitization, **834**, **835**; Stormont test used in Tanganyika, **2318**; tuberculin testing of poultry and swine, **1256**; loss of potency of tuberculin on keeping, **820**; preparation of tuberculin, **1560**
In Wild Animals. Strains of TB from the Cape kudu, **1945**
In Voles. Morphology of infection by the vole acid fast bacillus, **2131**; the vole bacillus, **2132**.
MYCOCIDIN. See Mycobact. Tuberculosis, cultivation.
MYCOLIC ACID. See Mycobacterium Tuberculosis, general.
MYCLOCYTOMA. See Neoplasms, in domestic animals.
MYCLOGRAPHY. See Technique, general.
MYIASIS. Myiasis in birds in Uruguay due to *Phaonia* sp., **86**.
See also Blowflies.
MYOPORUM ACUMINATUM. See Poisoning, plants.
MYOPORUM DESERTI, 1144.

N

NAPHTHALENE. See Wounds.
NATIONAL PARKS. See Game Sanctuaries.
NAVEL ILL. See Sulphonamides, sulphamezathine.
NECROBACILLOSIS. See Fusiformis Necrophorus Infection.
NECROSIS. Coagulation necrosis due to mustard gas, **1835**.

NEMATODES. New records of parasites from Indian ruminants, **2224**; survival of nematodes of sheep on pasture, **103**; in sheep in Australia, **814**; recurrence of nematode infections on "rested" pastures, **2223**; in dogs and foxes in Victoria, **2222**; gastro-intestinal parasites of cats, **1096**; action of Tanacetum and Artemisia on larval nematodes, **110**.
See also Ascaris; Bunostomum; Capillaria; Heterakis; Immunology, metazoan parasites; Lungworms; Oesophagostomum; Onchocerca; Ostertagia; Strongyloids; Syngamus; Trichinella; Trichocephalus; Trichostrongylus.
NEMATODIRUS, 103.
NEOLOHSOL. See Disinfectants.
NEOPLASMS.
General. Histopathology of precancerous lesions, **114**; pathology of gastric carcinoma in mice, **120**; mast-cell neoplasia in mice, **121**; radioiodo compounds in cancer research, **126**; sarcomata at site of transplantation in mice, **349**; antigonadotropic effect of cancer sera, **350**; inactivation of melanophose hormone by carcinoma sera, **351**; diamidation of glutamine and asparagine in neoplastic liver tissues, **354**; sulphydryl groups in the catheposin of rat lymphosarcoma, **515**; embryonal nephroma in the fowl, **516**; susceptibility of mouse tumors to lowered temperature, **709**; mechanism of invasivness, **917**; nutrition and prevention of cancer, **918**; mammary cancer in mice, **1097**; biology of cancer, **1315**; ultraspectrophotometric study of extracts of tumor tissues, **1807**; cytoplasm of liver cells and of tumor cells derived from them, **2235**.
Causation. Influence of feeding connective tissue on development of cancer in mice, **118**; production of sarcoma in mice by injections of liver extract from cancer patients, **1457**; carcinogenic substances in carcinomatous human lungs, **1806**; carcinogenic substances from the pituitary glands of cattle, **113**; sex hormones and cancer, **352**; tumors in animals receiving steroid hormones, **353**; induction of bronchogenic carcinoma in mice, **115**; effect of urethane on latent period of chicken tumor I., **116**; alimentary tract tumors induced by olive oil emulsions of carcinogenic hydrocarbons, **117**; liver tumors induced by 4-amino-azobenzene and derivatives, **1808**; cosmic radiation and cancer, **919**; neoplasm-like growths due to viruses, **1626**; thymus and malignant tumors, **122**; malignant change in gastric ulcers in rabbits, **123**; genetic nature of gastric cancer in mice, **119**; gene action in mammary tumor development in mice, **394**.
In Domestic Animals and Birds. Statistics of neoplasms in domestic animals, **2008**; genetic factors and transmissibility of fowl sarcomas, **1809**; "Carcinoids" in small intestine of an ox, **914**; leucaemic lymphoblastoma in udder of cow, **915**; embryonal mixed tumor in the lungs of a calf, **2232**; myelocytoma of the skin of the dog, **1317**; sebaceous adenomata in dogs, **2234**; malignant reticulo-endotheliosis in dogs, **1648**; branchioma, **1319**.
Treatment. In domestic animals, **920**; of papillomatosis in cattle, **2233**; sex hormones for mammary tumors in the bitch, **199**; colchicine in experimental chemotherapy, **749**; colchicine in treatment of mammary tumours in the bitch, **1318**; androgen and neoplasms, **921**; attempts to affect mouse carcinoma by porphyrins, **586**; treatment of skin tumours with ferric chloride, **2046**.
NEPHRITIS. See Kidneys.
NEPHROMA. See Neoplasms, general.
NEPHROTOXIN. See Kidneys.
NERVOUS SYSTEM.
Diseases. Malnutrition of the nervous system, **2018**; effect of a pellagra-producing diet on c.n.s. in dogs, **533**; lesions in c.n.s. of dogs produced by choline, **1331**; absence of cell-multiplication during degeneration of non-myelinated nerves, **1520**; effect of methylene blue on nerve cells, **146**; nerve regeneration in the udder, **2265**; new anticonvulsant drugs, **1515**.
See also Encephalitis; Encephalomyelitis; Foot and Mouth Disease, pathology; Rabies.
NEUROLYMPHOMATOSIS. See Fowl Paralysis.
NEWCASTLE DISEASE. A review, **70**; observations on spread, **494**; in England and Wales, **323**; in Minnesota, **321**; in New Jersey, **320**; in the U.S.A., **322**, **441**; in Italy, **1445**; in Korea, **2078**; laboratory diagnosis, **896** and **1783**; problems in diagnosis, **1992**; haemagglutination, **1990**; haemagglutination by mumps virus and relation to Newcastle and influenza viruses, **1995**; reactions between red cells and Newcastle disease virus, **2180**; serological studies of human erythrocytes modified by Newcastle disease virus, **1993**; in young chicks, **1994**; response of some mammals to Newcastle disease, **1994**; route of inoculation of eggs with Newcastle disease virus, **696**; live vaccines in Palestine, **897**; prohibition of import of poultry and hatching eggs into Canada, **495**; conjunctivitis in man associated with Newcastle disease virus, **898**; viricidal action of certain chemicals, **1446**.
NEW ENGLAND. See Anaemia, Equine Infectious.
NEW SOUTH WALES. See Reports, Australia.
NEW ZEALAND. See Phenothiazine; Salmonella Infection, in swine; Services, Veterinary.
NICOTIANA SPP., 1145.
NICOTINIC ACID. See Vitamins, vitamin B (nicotinic acid).
NIGERIA. See Bunostomum; Reports; Zebu cattle.
NISIN. See Antibiotics, various.
NITRITES. See Poisoning, inorganic poisons.
NITROGEN TRICHLORIDE. See Hysteria, Canine.
NOTOËDRES. See Mange.
NOLINA TEXANA, 727.
NORTHERN DOG DISEASE. Northern dog disease in Canada, **1592**.
See also Rabies.
NORTHERN IRELAND. See Reports.
NORWAY. See Mycobact., Tuberculosis Infection, immunization.
NOVOPLASMIN. See Babesia Infection, general.
NUTRITION AND NUTRITIONAL DISEASES. Nutritional diseases and disorders, **1642**; grassland husbandry and animal diseases, **387**; discrimination in food selection by animals, **378**; mineral requirements of farm animals, **1466**; nutrition and prevention of cancer, **918**; chemistry in the service of veterinary medicine, **1525**; prenatal nutrition, **127**; relation to infection, **710**; relation to resistance to infection, **2010**; diet and its relation to intestinal chemistry and parasitism, **518**; in relation to animal breeding, **2090**; nutrient allowances for dairy cattle, **1100**; urea in ration of dairy cows, **1104**; deficency diseases in cattle, **712**; treatment of deficiency diseases in cattle, **1123**; relation of nutrition to growth and breeding performance in bulls, **379**; diet and gestation-lactation performance in sows, **519**; mineral deficiencies of soya beans for pigs and rats, **1106**; nutritional anaemia in mink, **926**; nutrition in relation to health in poultry, **2011**; nutritional deficiencies of fowls, **1460**; relation of nutrition to hatchability of eggs, **1815-1817**; the artificial anus in fowls, **427**; malnutrition of the nervous system, **2018**; dietary factors required by g. pigs, **1101**; calcification, nephritis and amyloidosis in mice on modified diets, **713**.
See also Books; Helminth Parasites; Liver, diseases; Proteins; Technique, general; Vitamins; Wounds.

O

OESOPHAGOSTOMUM. In pigs in Uruguay, **105**.
OESTROUS CYCLE. See Genital System.
OSTEOPETROSIS. See Leucosis, avian.
OESTRIDAE.
Warbles. Effects of temperature and humidity on larval and pupal stages, **703**; human case caused by larvae of *H. bovis* and *H. lineatum*, **83**.
OLEIC ACID. See Mycobact. Tuberculosis Infection, immunization.
ONCHOCERCA. As a cause of fistulous withers in horses, **1456**.
ONOCLEA SENSIBILIS. See Poisoning, plants.
ORCHITIS. See Genital System, testicle.
ORISSA. See Mastitis, Bovine, general; Reports, India.
ORNITHODOROS. Insecticides and repellants for *O. papillipes*, **405**; control of *Ornithodoros papillipes*, **1683**; biology of *O. verrucosus*, **512**; development of *Tryp. lewisi* in, **873**.
ORNITHOSIS. See Psittacosis.
OSTEOMYELOSCLEROSIS. See Fowls, diseases general
OSTERTAGIA, 103.
OSTITIS FIBROSA. In horses in Spain, **1639**.
OTITIS. See Corynebacterium Infection, in swine.
OXALIC ACID. See Wounds.

P

PAIN. Mechanism of pain, **756**; pain-reaction thresholds in g. pigs, **1516**.
PALESTINE. See Newcastle Disease; Leptospira Infection, in cattle.
PALUDRINE. Absence of coccidiostatic effect, **2174**.
PAPAVER SOMNIFERUM [POPPIES]. See Poisoning, plants.
PAPILLOMATA. See Neoplasms, treatment.
PARACOLON INFECTION. In fowls and turkeys, **22**.
See also B. Coli Infection.
PARALYSIS. Nature of tick paralysis, **722**; posterior paralysis in dogs especially in dachshunds, **2230**.
See also Encephalomyelitis, Porcine Infectious [Teschen Disease].
PARAPLEGIA. See Ataxia.
PARASCARIS. See Ascaris.
PARASITES, GENERAL. Incidence in Portugal, **93**; metazoan parasites of the dog, **94**.

PARASITICIDES. The insecticide situation, 577; controlling pests of stock, 1186; aerosols for insects, 1201; new insect repellants, 1676; urine as a larvicide and insecticide, 1353; action of garlic on screwflies, 194; *Matricaria inodorata* a good insecticide, 193; mode of entry of contact insecticides, 191, 192; waste lubricating oil for control of ticks, 1182; in control of Gulf Coast tick, 955; derris for *Argas persicus* larvae on chicks, 951; tests of D.D.T., derris, hexachlorocyclohexane for control of *Boophilus annulatus*, 2041; tsetse fly repellants, 1869; experiments on tsetse flies, 957; mosquito repellants, 1184; mineral oil emulsions for control of *Simulium*, 1355; in control of murine typhus, 956; effects on turkeys, 953; blowers for insecticides, 1725; relative effectiveness of D.D.T. and Gammexane, 954.
See also Arsenic; D.D.T.; Gammexane; Ticks, general.
PARATHYROID GLAND. Effect of parathyroid injections on nephrectomized rabbits, 597; urinary excretion of calcium and phosphorus in dogs with parathyroid insufficiency, 1332.
See also Endocrine System.
PARATYPHOID. See Salmonella Infection.
PARTURITION. Parturition in the sow, 1387.
PAS (P-amino-salicylic acid). See Mycobacterium tuberculosis Infection, treatment.
PASTEURELLA INFECTION.
General. A study of the genus pasteurella, 1950; plague survey in Canada, 541; in wild animals and birds, 829; in man in Cordova with cases in domestic cats, 277; action of *P. pestis* bacteriophage on strains of pasteurella, salmonella and shigella, 1951.
See also Brucella Tularensis Infection.
In Buffaloes. Haemorrhagic Septicaemia in buffaloes, 655.
In Cattle. Route of infection in calves, 460; mastitis caused by pasteurella, 656.
In Fowls. See Skin, general.
In Foxes. Pasteurellosis in Foxes, 1052.
In Sheep. Epididymo-orchitis in rams associated with *P. pseudotuberculosis*, 657.
In Swine. In swine pneumonia in Egypt, 2140.
Treatment. Sulphamerazine for haemorrhagic septicaemia and pneumonia in cattle, 1490; sulphonamides in avian pasteurellosis, 733.
In Turkeys. Pseudo-tuberculosis, 459.
PAST. TULARENSIS. See Brucella Tularensis Infection.
PASTURES. Palatability and nutritive value of herbage plants, 1099.
See also Clover; Nematodes.
PELLAGRA. See Vitamins, vitamin B (nicotinic acid).
PENICILLIN.
General. Penicillin, 561; present position of penicillin, 1845; synthetic media for penicillin production, 782; natural variation in *P. notatum* related to yield of penicillin, 399; protein binding and antibacterial activity of penicillins, 562; *in vitro* action against various bacteria from animals, 564; mode of action, 1156; penicillinase in sterility tests for penicillin, 1160; action on penicillinase-producing bacteria, 1158; action on uterine muscle, 1159; influence on coagulation of blood, 1155; thromboplastic properties of penicillin, 2032; absorption by the mouth, 2030; nicotinamide deficiency after oral penicillin, 136; lysis by penicillin, 173; intestinal absorption of penicillin, 1153; allergy to penicillin, 2261; purification of vaccinia emulsions by penicillin, 1985; action on gaseous metabolism of staphylococci, 736; a test for sensitivity in staphylococcus, 828; in vitro effect on *Cl. welchii* toxins, 1344.
Therapy. In veterinary medicine, 1151; effects on immune response and relation of immunity to chemotherapy, 1152; use of bougies in the udder, 945; in peanut oil and beeswax for mastitis, 946; effects on mice infected with *Erysipelothrix rhusiopathiae*, 1051; treatment of swine erysipelas in turkeys, 1157; treatment of pyelonephritis in cattle, 1154; treatment of pyelonephritis, 1664; treatment of *Leptospira canicola* infection in the dog, 1663; for intra-ocular infection, 398; protection of mice against gonococcal endotoxin by penicillin, 563.
See also B. Anthracis Infection; Brucella Infection, treatment; Mastitis, treatment.
PENTAMIDINE. See Trypanosoma Infection, treatment.
PERIARTERITIS NODOSA. Two cases in cattle, 366; See also Books, pathology.
PEROSIS. Riboflavin and biotin for prevention in turkeys, 1641.
PERSIA. See B. Anthracis Infection, immunization.
PERU. See Ataxia.
PFEIFFERELLA MALLEI INFECTION. Cases in horses, 19; in California, 1022; in Sweden, 819; titration of mallein by flocculation, 328.
PHAGOCYTOSIS. Dependence of phagocytosis-stimulating action of immune serum on complement, 1616; surface phagocytosis and relation to mechanism of recovery in pneumonia, 1738.
PHALARIS STAGGERS, 815.
See also Poisoning, plant poisons.
PHAONIA. See Myiasis.
PHARYNX. See Digestive System, general.
PHEASANTS. See Encephalomyelitis, Equine.
PHENANTHRIDINIUM. See Trypanosoma Infection, treatment.
PHENOTHIAZINE. Phenothiazine as an anthelmintic, 2229; photosensitized keratitis in cattle after dosing with phenothiazine in New Zealand, 2230, 2231; for treatment of trichostrongylosis in sheep, 958; for *Oesophagostomum columbianum* in sheep, 1726; for verminous gastro-enteritis in sheep and goats, 2044; for coccidiosis in rabbits, 185; for coccidiosis in fowls, 184; use in protozoan infections of turkeys and fowls, 183.
PHLEBOTOMUS. Maintenance in Gt. Britain, 2002.
See also Leishmania Infection.
PHLOXINE. See Technique, staining.
"PHOS." See Pigeons.
PHOSGENE. See Poisoning, organic substances.
PHOSPHORUS. Influence on metabolism of phosphorus rich diet, 1320; phosphorus and phosphide poisoning, 723; poisoning in animals and birds, 1653.
See also Ostitis Fibrosa; Sex Hormones, oestrogens; Urinary System.
PHOTOSENSITIZATION. Ocular lesions in horses and mules, 1146; photosensitized keratitis in cattle after dosing with phenothiazine, 2230, 2231; caused by Yellow Wood (*Terminalia oblongata*), 2317.
PHYTIN—PHYTASE. See Rickets.
PICA. See Copper, deficiency.
PIGEONS. Stimulating effects of "phos" on growth of pigeons, 753.
See also D.D.T.; Haemoproteus Infection; Lice; Psittacosis; Trichomonas Infection, avian.
PIGS. See Swine.
PIMELEA TRICHOSTACHYA, 1145.
PIROPLASMOSIS. See Anaplasma Infection; Babesia Infection; Theileria Infection.
PITUITARY GLAND. Pituitary endocrinology, 607; preparation of anterior pituitary hormones, 587; hormonal relationship with the gonads, 2086; treatment of deficient lactation with anterior pituitary extract, 1190.
See Endocrine System; Neoplasms, causation; Sex Hormones, gonadotropins.
PLACENTA. Maternal and foetal tissue, 1223; peculiar structures on the non-villous part of placenta in the bitch, 976; permeability of the placenta, 1221, 1222; placental transmission of antitoxin in the mare, 901; non-transmission of *Spirochaeta persica* through placenta, 750; g. pig, 1968; calcium therapy of retained placenta, 750; blood picture in cases of retained placenta in cows, 1707.
PLASMODIUM INFECTION [MALARIA].
General. Susceptibility of avian parasites to drugs, 574; radical cure of *Pl. cathemerium* infection with a naphthoquinone derivative, 1179; effect of *Pl. gallinaceum* infection on distribution of quinine in tissues, 573; exoerythrocytic forms in human malaria, 306; immunity to cryptozoites of *Pl. gallinaceum* and *Pl. relictum*, 1764; premunition, 2175.
In Ducks. Relation of biotin to course of avian malaria, 1429; effect of oxygen on malaria in ducks, 1977; reduction of parasitaemia in ducks with *Pl. lophurae*, 1586; haematopoiesis in ducks with malaria, 305; terminal hypoglycaemia, 481.
In Fowls. A review, 52; preservation of parasites by cold, 53; infection of chicks with single parasites, 304; sulphonamides in treatment, 949; effect of streptomycin on avian malaria, 1978.
PL. CATHEMERIUM. See Plasmodium Infection (Malaria), general.
PL. GALLINACEUM. See Plasmodium Infection, in fowls.
PL. LOPHURAE. See Plasmodium Infection, in ducks.
PLETHYSMOGRAPH. See Technique, general.
PLEURISY. See Horses, diseases general.
PLEUROPNEUMONIA, BOVINE CONTAGIOUS. Medium for cultivation of organism of contagious bovine pleuropneumonia, 291; infectivity of the disease, 2160; in an antelope (*Hippotragus equinus*), 1421; immunization, 2161, 2162; in Australia, 2159; in Kenya, 1021; in New South Wales, 433, 434; in Queensland, 2317.
PLEUROPNEMONIA, CAPRINE CONTAGIOUS. In Assam, 315; in Madras, 863; in North Western China, 864.
PLEUROPNEUMONIA GROUP. Selective medium for pleuropneumonia-like organisms, 1003; morphology of pneumonia-virus, agalactia-virus and Seiffert's microbes, 477; pleuropneumonia-like organisms in catarrh of respiratory tract in mice, 1758.
See also Agalactia, Caprine Contagious; Pleuropneumonia, Bovine Contagious; Pleuropneumonia, Caprine Contagious.
PNEUMOENCEPHALITIS. See Newcastle Disease.
PNEUMOCOCCI. See Sulphonamides, general.
PNEUMO-ENTERITIS. See Salmonella Infection, in cattle.
PNEUMONIA. Enzootic pneumonia in calves, 2249; bacteriology of swine pneumonia in Egypt, 2140; virus pneumonia in the rat, 2195; modifying effect of substances of bacterial origin on virus pneumonia in mice, 1080; lung tissue component which combines with mouse pneumonia virus, 895; pneumonia virus of mice, size of free and

combined virus, 894; auto-immunization of mice against pneumonia virus, 74; effect of sulphhydryl groups on pneumonia virus of mice, 1442; virus pneumonia (human), 1447.
See also Influenza, in horses; Lungworms.
POA AQUATICA. See Poisoning, plants.
POISONING.
General. Discussion on poisoning in domestic animals, 730; toxicological problems in veterinary practice, 1335; method for studying toxicity of substances applied to skin and mucous membranes, 2313.
Inorganic Poisons. Potassium nitrate in calves, 1652; nitrite poisoning in Queensland, 2317.
See also Arsenic; Copper; Fluorine; Iron; Phosphorus.
Organic Poisons. By sulphuretted hydrogen from decomposing manure, 937; cerebral lesions in dogs caused by diamidino-stilbene, 1655; toxicity of sulphamerazine for chickens, 2255; by ingestion of sausages made from adrenal gland tissue, 2253; kidney damage in dogs caused by nephrotoxin, 1658; thyroid poisoning, 1147; phosgene, lethal dose in dogs and rabbits, 1834; coagulation necrosis due to mustard gas, 1835; effect of mustard gas on the rat, 1836; fatal poisoning by "lethane" insecticide, 2256.
See also Carbon Dioxide; Carbon Tetrachloride; D.D.T.; Strychnine.
Plant Poisons. Damaged grain as food for livestock, 614; toxicity of wintered graminaceous pasture plants, 1657; poisonous plants in New Mexico, 727; in Queensland, 2316, 2317; in South-West Africa, 553; plants poisonous to sheep, 1143-1145; poisoning by feeding on roots, 168; of cattle by *Artemisia vulgaris*, 728; *Artemisia taurica* in ruminants, 1141; walk about disease in Queensland caused by Whitewood (*Atalaya hemiglauca*), 2317; subterranean clover and breeding troubles in sheep, 1001; metaplasia of sex organs in castrated sheep grazing subterranean clover, 1002; in cattle by *Calotropes gigantea*, 396; toxicity of cassava, 726; ergotism in calves resembling foot and mouth disease, 2254; enzootic jaundice in sheep [*Heliotropium europaeum*], 941, 1637; *Lolium linicolum* poisoning with neurological symptoms, 729; *Lolium temulentum*, 1656; by linseed meal containing castor seeds, 1837; Wallum disease of cattle due to zamia palm (*Macrozamia spp.*), 2317; toxic properties of volatile oil of *Myoporum acuminatum*, 169; sensitive-fern (*Onoelea sensibilis*) poisoning of horses, 939; poppy [*Papaver somniferum*] poisoning in cattle, 1142; "Phalaris staggers" in sheep, 137; hydrocyanic acid poisoning from *Poa aquatica*, 940; senecio problem in Rhodesia, 1839; belladonna [Solanum] poisoning in pigs, 1838.
See Bracken; Photosensitization; Sorghum.
POLYARTHRITIS. See Joints.
POLIOMYELITIS. Poliomyelitis and virus diseases of dogs, 1289, 1290; dogs and poliomyelitis, 2193; human poliomyelitis and canine encephalitis, 2194; rapid infection of a family, 1609; exposed dental pulp as portal of infection, 1610; tissue immunity in mouse poliomyelitis, 1443; relation to fowl paralysis, 899; inactivation of murine virus by heat, 75; role of nutritional deficiency in susceptibility, 536; protection tests with animal and human sera, 1448.
PORPHYRINS. See Eggs, Hens; Neoplasms, treatment.
PORTUGAL. See Agalactia, Caprine Contagious; Babesia Infection, in horses; Parasites, General.
POST-MORTEM EXAMINATION. See Technique, general.
POTASSIUM. See Blood, general; Poisoning, inorganic poisons; Pullet Disease.
POX DISEASES.
General. Pox diseases, 1284; pox diseases of animals in Algeria, 1285; cultivation on chorioallantoic membrane of chick embryos, 1787; rickettsial pox, a new disease, 699.
In Fowls. Fowl pox vaccination, 885; formolized vaccine, 1784.
See also Molluscum Contagiosum.
Vaccinia. Biological purification of vaccine emulsions by penicillin, 1985; effect of mucin on infection with vaccinia virus, 575; haemagglutinins of vaccinia and ectromelia virus, 1998; multiple-pressure method of vaccination, 702.
Sheep Pox. Active immunization against sheep pox, 1984.
PREGNANCY. Gestation periods, 975; length of gestation in sheep, 391; pregnancy disease of ewes, 1234; protein in diet during pregnancy, 1102; effect on pubic symphysis of mice, 609; effect of thyroid, 159; effect on complement of g. pigs, 1614.
See also Bones; Pregnancy, Diagnosis.
PREGNANCY DIAGNOSIS. In mares by rectal examination, 421; hormonal tests in mares, 616; modifications of Cuboni's tests, 617-620; in the mare by vaginal smears, 995; colostrum intracutaneous and the histidine tests, 1233.
PRONTOSIL. See Sulphonamides.
PROPIDON. See Therapeutics.
PROSTATE. See Genital System.
PROTEINS. Protein metabolism in relation to disease, 1103; proteins in diet of pregnant patients, 1102; meat proteins, 923; protein hydrolysate in restoring serum protein after bleeding of horses, 1211; preservation of proteins by drying, 1929; influence on quality of serum, 924; nutritive value of proteins in mixed diets for dogs and rats, 1812; deleterious effect on dogs of a protein ration, 523; protein level of diets of chickens in hot weather, 524; effect of protein-depletion on response to immunization, 2013, 2014; anaemia and hypoproteinaemia, 1818.
See also Blood, general.
PSEUDOMONAS PYOCYANEA. Transmission by insects, 1617; influence of chemicals on growth, 1565.
PSEUDO-TUBERCULOSIS. See Pasteurella Infection, in turkeys; Wild Animals and Birds.
PSITTACOSIS. Recovery of virus from pigeons, 1608.
See also Airborne Infection; Immunology, interference phenomenon.
PSOROPTES. See Mange.
PSYCHOLOGY. See Trypanosoma Infection, general.
PSYCHROPHILIC BACTERIA. See Bacteria, General.
PUBLIC HEALTH. Public health administration, 984; application of sanitary science to diseases of animals, 415; the former German Department of Health, 986; U.S. Army public health administration in Korea, 992.
PULLET DISEASE. See Blue Comb Disease.
PUNJAB. See Diseases, General.
PURPURA HAEMORRHAGICA. See Horses, diseases general.
PYELOGRAPHY. See Technique, general.
PYELONPHRITIS. See Corynebacterium Infection, cattle; Penicillin, therapy.
PYROGENS. See Bacteria, General.

Q

QUATERNARY AMMONIUM DETERGENTS. See B. Anthracis Infection, general; Milk and Milk Products, general.
QUEBEC. See Milk and Milk Products, transmission of disease by.
QUEENSLAND. See Copper, deficiency; Reports, Australia; Rickettsia Infection; Ticks, general.
QUININE. See Influenza, virus; Plasmodium Infection (Malaria), general.

R

RABBITS. See Encephalitis; Erysipelothrix Monocytogenes Infection; Heat Regulation; Joints; Mange; Reports, Denmark; Spirochaeta Infection, general; Vitamins, vitamin A.
RABIES. Control in New York, 689; in U.S.A., 820; rabies control studies in U.S.A., 1981; influence of anaesthesia on rabies, 1509; equine rabies, 63; virus in saliva of healthy dogs, 1589; a rapidly developing case, 1768; changes in fixed rabies virus, 1075; Arctic dog disease and its relationship to rabies, 1590, 1591; fixed virus in vaccines and vaccinated dogs, 64; freeze drying of bovine vaccine, 488; subdural inoculation in the dog for preparation of rabies vaccine, 2178; *B. subtilis* and rabies virus, 1435; bats and transmission, 690; destruction of mongoose and squirrel carriers, 1767.
See also Northern Dog Disease; Reports, U.S.A.
RADIATIONS. Cosmic rays and their biological activity, 1372; effect of ultra-violet on influenza virus, 2179; effect of ultra-violet irradiation on *B. anthracis*, 1399.
RADIOACTIVE SUBSTANCES. In Canada, 1014; radioiodo compounds for cancer research, 126; therapeutic possibilities of radio-phosphorus, 556; effects of radioactive phosphorus on tissues, 1458; the use of isotopes in biology, 1659; cosmic radiation and cancer, 919.
RADIOGRAPHY. Discussion, 422; examination of nasal sinuses of the horse, 610; x-ray photography of limb joints in swine, 799; x-ray picture of digestive tract of the fowl, 769.
RATS. Trap for catching live rats for laboratory study, 428; rat-bite in young pigs, 429.
See also Books, anatomy; Erysipelothrix Rhusiopathiae Infection; Filariae; Fluorine; Inclusion Bodies; Labyrinthitis; Lactation; Lymphatic System; Poisoning, organic substances; Proteins; Sarcoptes; Technique, general.
REINDEER. See Echinococcus; Fusiformis Necrophorus Infection; Sarcosporidia.
RELAXIN. See Sex Hormones.
RENGUERA. See Ataxia.
REPORTS.
Australia. C.S.I.R. 1945, 435; C.S.I.R. 1946, 1726; Australian Wool Board, 1945-46, 814; Inst. Med. Vet. Sci. Adelaide, 1945-46, 815; New South Wales Division Animal Industry, 1944-45, 433; New South Wales Division Animal Industry, 1945-46, 434; Dept. Agric. and Stock, Queensland, 1945-46, 2316.
Basutoland. Department Agriculture Annual 1946, 1012.
Canada. Veterinary Director General, 1946, 1014; Science Service Dominion Dept. Agriculture, 1946, 1013.

Ceylon. Director of Agriculture, 1945, 630.
Czechoslovakia. Veterinary Hospital at Havlíčkův Brod, 1730.
Denmark. Rabbit testing station, 2080.
Eire. Minister for Agriculture, 1945-46, 1016.
Germany. Bacteriological laboratory of Essen slaughter-house, 1943, 233.
Gt. Britain. Select Committee on Estimates. Colonial Development, 2109; Imperial Cancer Research Fund, 1945-46, 804; Imperial Cancer Research Fund, 1946-47, 626; Veterinary Educational Trust Animal Health Fund, 625; Lister Institute Preventive Medicine, 1946 and 1947, 437, 438; London School of Hygiene and Tropical Medicine, 1944-45, 436; Northern Counties Animal Diseases Research Fund, 1945, 439.
Greece. F.A.O. Mission, 1727.
Holland. Dutch Veterinary Society, 430, 431.
India. Army Veterinary Services, 1944-45, 1017; Army Veterinary Services, 1945-46, 1018; Civil Veterinary Department Orissa, 1943-44, 1019; Civil Veterinary Department Sind, 1945-46, 1020.
Jamaica. Department of Agriculture, 1946, 816.
Kenya. Veterinary Department, 1942, 1021.
Leeward Islands. Department of Agriculture, 1945, 817.
Mauritius. Department of Agriculture, 1945, 1728.
Nigeria. Veterinary Department, 1945, 629; Agricultural Department, 1944, 226.
Northern Ireland. Nineteenth Report Agriculture Research Institute, Hillsborough, 627.
Northern Rhodesia. Veterinary Department, 1945, 807.
South Africa. South African Institute for Medical Research, 1945, 628.
Southern Rhodesia. Chief Veterinary Surgeon, 1941-45, 808; Chief Veterinary Surgeon, 1946, 809; Director of Veterinary Research, 1942-45, 810.
Sudan. Director Veterinary Service, 1944, 811.
Swaziland. Livestock and Agricultural Department, 1945, 812; Livestock and Agricultural Department, 1946, 813.
Sweden. Army Veterinary Service, 1943-44, 230, 231; Civil Veterinary Service, 1942-43-44, 818, 819, 2319.
Tanganyika. Department Veterinary Science and Animal Husbandry, 1945-46, 2318.
Trinidad and Tobago. Survey of animal husbandry, 227; Director of Agriculture, 1945, 1392.
U.S.A. Section for Agriculture, 1944, 228; Bureau of Animal Industry, Agricultural Research Administration, 1945, 631; Bureau Animal Industry, 1946, 820; Bureau of Entomology and Plant Quarantine, 1944, 632; Public Health Service, 1945, 822; U.S. Livestock Sanitary Association: transmissable diseases of poultry, 1945, 633; California Division of Animal Industry, 1942, 1022; California Division of Animal Industry, 1943, 1023; California Division of Animal Industry, 1944, 1024; Hatch Dairy Experimental Station Farm, 1729; Nevada Department of Agriculture, 1945-46, 634; New York Academy of Medicine: control of rabies, 229.
U.S.S.R. Veterinary Section of Academy of Agricultural Science, 1940, 232.
RESEARCH. Medical research. A symposium, 1938.
RESPIRATORY SYSTEM. Respiratory diseases of horses, 2185; other respiratory diseases, 1447; effects of dust on the respiratory system, 2114; oil treatment of floors and bedding to control respiratory infections, 1514.
See also Embryo, Fowl.
RETICULOCYTES. See Blood, corpuscles (red).
RHEUMATISM. Aetiology of rheumatic fever, 1651.
RH FACTOR. Terminology of the Rh factor, 2205.
See also Blood, groups; Jaundice.
RHINITIS. Chronic atrophic rhinitis and congenital deformity of skull in pigs, 1000.
RHINOESTRUS. *Rhinoestrus purpureus* in horses, 2003.
RHODESIA. See Poisoning, plants; Reports.
RIBOFLAVIN. See Vitamins, vitamin B (riboflavin).
RICKETS. Action of fluorine on teeth of rachitic rats, 1137; experimental rickets in swine. Significance of phytin and phytase, 1109.
RICKETTSIA INFECTION. Rickettsia infections (a review), 1296; in domestic animals, 497; in kerato-conjunctivitis of cattle, 325; infectious conjunctivitis of cattle in Switzerland, 2200; serological tests with two rickettsial antigens in elk and buffalo herds, 1450; tick-borne fever in lambs, 498; immunity to tick-borne fever in sheep, 499; European typhus in pigs, 326; *Rickettsia canis* infection in French West Africa, 1449; Weil-Felix reaction in dogs in Italy, 1297; endotoxins of *Rickettsia prowazeki*, 2199; Rocky Mountain spotted fever survey, 541; mammalian hosts of tick typhus in Queensland, 1621; scrub typhus in Japan, 76; experimental TB. in g. pigs infected with typhus rickettsiae, 2126; rickettsial pox, a new disease, 699; therapeutic activity of chloromycetin, 1868; agglutinins excreted in urine, 77.
RINDERPEST. Lesions of abomasum and ileo-caecal valve, 1776; lipoprotein complexes in sera of cattle with rinderpest, 1207; game in relation to rinderpest, 1645; in buffaloes, 1287; immunization of buffaloes in Assam, 2189; failure of virus diarrhoea to immunize against rinderpest, 314; new method of preparing tissue vaccine, 2187; vaccination with goat virus in the Sudan, 1775; comparative study of goat virus and bull virus in Madras, 2186; pill vaccine, 1286; war-time studies in Canada, 1777; chick embryo vaccine, 2190; lapinized rinderpest virus, 890; rabbit adopted strain of virus, 891; serum therapy, 1599; in Ceylon, 630; in China, 1644, 2077; control in French Cameroons, 889; immunization in French West Africa, 1774; in India, 1017; in Kenya, 1021; in Korea, 2078; in Portuguese African colonies, 2188; in the Sudan, 811; in Tanganyika, 440, 2318.
See also Reports, Nigeria.
RODENT CONTROL. "1080" rodenticide, 417.
ROUND HEART DISEASE. In fowls, 544; toxic heart degeneration of poultry, 1132.
RUMEN AND RUMINATION. Discussion on ruminant digestion, 768; rumen micro-organisms in sheep and cattle, 679; microflora of alimentary tract in ruminants, 2059-2063; digestibility of rations for ruminants, 1459.
RUNNING FITS. See Hysteria, Canine.
RUSSIA. See Brucella Tularensis Infection.

S

SALIVA. See Rabies.
SALMONELLA GROUP. Typing with Vi bacteriophage, 462; typing of strains, 667, 668; polyvalent sera for typing, 1055; somatic phase variation in standardization of O-suspensions, 1269; H antigens of the coli and salmonella bacteria, 1954; soluble starch medium in preparation of smooth "O" salmonella antigens, 509; new salmonella types, 1414; identification of strains from Italy, 1413; relationship between coli-dysentery organisms and salmonella, 669; advacances in laboratory diagnosis, 463; pathgenecity of different species and strains, 1568; behaviour towards vitamin C of bacteria of salmonella group, 2143.
See also Enterobacteriaceae.
SALMONELLA INFECTION.
General. Salmonellosis of domestic animals, 1955; in animals in Finland, 24; paratyphoid in animals in Spain, 847; salmonella strains in dogs, mice and ticks, 663; *S. paratyphi* and *S. schleissheim* in animals, 664; transmission of *S. enteritidis* by *Pulex irritants* and *Ctenocephalus canis*, 282; action of *Pasteurella pestis* bacteriophage on salmonella, 1951; lizards as carriers of salmonella and paracolon bacteria, 1956; phenolized and alcoholized vaccines, 502.
In Buffaloes. Scours in buffalo calves, 281.
In Cattle. Pathology and histopathology of paratyphoid in calves, 846; *S. anatum* in the calf, 1412; role of lactating cow in spread of infection to calves, 1569; pneumo-enteritis in calves, 2142; vaccination of calves, 465; *S. newport*, occurrence and pathogenicity, 280; blood picture of calves immunized with formol vaccine, 1570.
In Ducks. Infection of man by duck eggs, 1054.
In Fowls. In California, 22; control of fowl typhoid, 1957; efficacy of sulphonamides against fowl typhoid, 1864; isolation of *S. gallinarum* in Rio, 283; *S. montevideo* in chickens, 1745.
See also S. Pullorum Infection.
In Horses. *S. abortus-equi* in Uruguay, 21; tendo-vaginitis and bursitis due to *S. abortus-equi*, 662; serology of abortion in mares, 1053; infections in equine foetuses and foals, 2091.
In Mink. Salmonella infections in mink, 1411.
In Pigeons. *Argas reflexus* transmitting *S. typhi-murium*, 90.
In Swine. Contagious pneumonia and paratyphoid of pigs, 1266; in New Zealand, 1267; paratyphoid and *Bact. coli* and infectious enteritis, 279.
In Turkeys. In California, 22.
See also S. Pullorum Infection.
S. ABORTUS-EQUI, 21, 662, 1412, 2091.
S. ANATUM, 1412.
S. CHOLERAE-SUIS, 279, 666, 1266, 1267, 1411, 1955, 2140.
S. DUBLIN, 281, 1969.
S. ENTERITIDIS, 282, 2142.
S. GALLINARUM, 283, 1957.
See also Salmonella Infection, in fowls.
S. LONDON, 1512.
S. MONTEVIDEO, 1745.
S. NEWPORT, 280, 1412.
S. PARATYPHI. Outbreak of paratyphoid B at Woolton, 850, 204, 279, 664.
SALMONELLA PULLORUM INFECTION [BACILLARY WHITE DIARRHOEA]. Control, 1573; isolation of antigenic strains, 464; non-specific agglutination reactions, 1270 *and* 1271; effect of form variation on antigenic behaviour, 1571; atypical behaviour of antisera in complement fixation tests, 1958; reactions with pullorum antigen of fowls inoculated with enterococcus, 2144; isolation of *S. typhimurium* from fowls reacting to *S. pullorum* agglutination test, 665; in turkeys, antibody production and carrier state, 25; sulphonamides in control, 1170; streptomycin in treatment, 1348.
See also Sulphonamides, sulphamerazine.

S. SCHLEISSHEIM, 664.
S. TYPHI. Agglutination reaction, 1574.
S. TYPHI-MURIUM. Food poisoning due to *S. typhimurium*, 848, 90, 281, 655, 1955, 1969.
S. TYPHI-SUIS, 1411.
SALVIA REFLEXA, 1144.
SALT. See Sodium Chloride.
SARCOBATUS VERMICULATUS, 727.
SARCOMA, FOWL. See Neoplasms, in domestic animals and birds.
SARCOSPORIDIA. Sarcosporidiosis in a reindeer, 1074.
SARCOPTES. New sarcoptic mite from the rat, 2006.
See also Mange.
SARCOSTEMMA AUSTRALE, 1144.
SASKATCHEWAN. See Services, Veterinary.
"SAWDUST" LIVER. See Liver, diseases.
SCHISTOSOMA. Bovine nasal schistosomiasis, 2007; schistosomiasis in sheep and goats, 908; *S. nairi* from an elephant, 513; mechanical safeguard against bilharzia, 909.
SCOURS. See Diarrhoea.
SCREWFLIES. See Parasiticides.
SCRUB TYPHUS. See Rickettsia Infections General.
SEBACEOUS GLANDS. Sebaceous adenomata in dogs, 2234.
SELENIUM, 727.
SEMEN. See Genital System.
SEMINAL VESICLES. See Genital System.
SENECIO. See Poisoning, plants.
SERVICES, VETERINARY. Foundation for veterinary services, 1895; army veterinary services in South-East Asia, 2073; the veterinary services of the Commonwealth Dept. of Commerce and Agric. Australia, 2072; development of veterinary service in Basle, 2279; collecting and information centre Berlin, 985; prevention and control of disease in Canada, 613; veterinary medicine in China, 2077; in military government in Europe from D-day to V-day, 1379; in North-west Europe from D-day to V-day, 1697; veterinary services with 21st Army Group in Europe, 2076; French veterinary services, 1232; veterinary services with the Control Commission in Germany, 2074; amalgamation of veterinary and remount services in India, 2075; Italian National Research Council of Veterinary Science, 1011; veterinary research in Korea, 2078; veterinary services in New Zealand, 993; in Saskatchewan, 2277; Swiss veterinary aid to war-damaged countries, 1524; U.S Army veterinary service in Australia, 1696; military medicine in U.S.A. under administration of Kirk, 2071.
See also Reports.
SEX HORMONES.
General. Nutritional aspect of endocrine disturbances, 1105; method for obtaining prolonged action of injected hormones, 1928; new aspects of virilism, 392; influence of gonadal hormones on serum riboflavin in blood of fowls, 1191; for treatment of mammary tumours in bitches, 199; sex hormones and cancer, 352.
See also Books, endocrinology.
Androgen. Effect of testosterone on shock and immunity, 774; androgen and neoplasms, 921; male hormone content of ruminant manure, 1888; action of testosterone on broody hens, 1909.
Gonadotrophins. Anterior pituitary hormone in pregnant mare serum, 151; in serum of ponies, 152; chorionic gonadotrophin and anaphylaxis, 770; prolan and sexual functions in bulls, 942; effect of gonadotrophins on ovarian growth, 1530; genital hormones of anterior lobe of pituitary gland and hormone therapy, 1192; anaphrodisia in cattle treatment with pregnant mare serum, 1531; antigonadotrophic action of cancer sera, 350.
Oestrogens. In treatment of anoestrus in the mare, 771; implants of synthetic oestrogens in the udders of sheep, 763; tissue changes in male dogs after stilboestrol medication, 540; the genital organs of monkeys treated with oestrogen, 601; responses of the oviduct of the fowl to injection of diethylstilboestrol, 1235; recovery of synthetic oestrogens from the tissues of the fowl, 1889; effect of oestrogen on calcium, phosphorus and nitrogen in pigeon plasma, 1706; lipaemia and fat depositions in response to oral administration of oestrogens, 1537; effects of oestradiol benzoate and their modification by bleeding, 1371; efficacy of oestrogens administered orally, 2087; effect of oestrogen and anterior pituitary extract on skeleton of growing mouse, 1358; therapeutic value of stilboestrol, 153; prolonged massive oestrogen treatment of the rat, with special reference to the thymus gland, 1539; tumours in experimental animals receiving steroid hormones, 353; hormone content of hippomanes, 161.
Relaxin. Effect on response to oestrone, 160; effect on histology of the pubic symphysis, 609; effect of relaxin on vaginal response to oestrone, 160.
SHEEP.
General. Sex ratio and multiple births, 364.
See also Genital System, semen and spermatozoa, general.
Bacterial Diseases. See Clostridium Infections; Corynebacterium Infection; Erysipelothrix Rhusiopathiae Infection; Fusiformis Necrophorus Infection; Pasteurella Infection; Staphylococcus Infection.
Diseases General. Flank bruising of lambs involving the transverse abdominal muscle, 1830.
See also Genital System, general; Pregnancy; Thyroid Gland.
Nutritional Diseases. See Ataxia; Copper, poisoning; "Stiff-lamb" Disease; Vitamins, vitamin A.
Parasitic Diseases. See Fasciola; Lungworms; Schistosoma, Trichostrongylus.
Poisoning. See Copper; Fluorine; Poisoning, plant poisons.
Protozoan Diseases. See Babesia Infection, general.
Virus and Rickettsial Diseases. See Heartwater; Rickettsia Infection; Pox Diseases.
SHEEP SCAB. See Mange.
SHIGELLA GROUP. Thermolabile precipitinogen of *S. dysenteriae*, 1268; survival of *Shigella sonnei* and *S. flexneri* in faeces, 670.
See also Enterobacteriacae.
SIMULIUM, 95; as a cause of disease in domestic animals, 1796; cause of serious losses in livestock in Saskatchewan, 1618; a plague of *S. reptans* in Croatia, 332; British species, 335; breeding places, parasites and predators, 336; mineral oil emulsions for control, 1355.
SIND. See Reports, India.
SIPHONA. In Queensland, 2316 and 2317; American horn fly trap and a new trap against the buffalo fly *(Siphona exigua)*, 2211; new type buffalo fly trap, using D.D.T. on glass panels, 2212; developments in buffalo-fly control, 2213 and 2214; D.D.T. for control in Kansas, 2215.
SKRAVELSJUKA. In Sweden, 928.
SKIN.
General. The epidermis of domestic animals, 588; uric acid in the integument of animals, 1206; histogenesis of the epidermis of the rat and mouse, 1363; role of skin in anthrax, fowl cholera and swine erysipelas, 646.
See also Hyaluronidase.
Diseases. Summer dermatitis in horses in Algeria, 1325; mycotic dermatitis [A. dermatonomus infection] in cattle, 1277; cutaneous asthenia in a dog, 1133; cholesterolaemia in canine eczema, 1205; riboflavin and biotin in prevention of dermatitis and perosis in turkeys, 1641; causing damage to leather, 214.
See also Dermatitis; Hyperkeratosis; Leishmania Infection; Mange; Neoplasms, in domestic animals; Streptothricosis; Vitamins, vitamin A.
SKIN "TUBERCULOSIS." Leucocyte picture during intradermal test of "skin lesion" reactors, 2128; aetiology of so-called skin tuberculosis in cattle, 254 and 255; tuberculoid skin-granuloma in man, 648.
See also Actinomyces Farcinicus Infection.
SLAUGHTERING. See Zootechny.
SLOVAKIA. See Cryptococcus Farciminosis Infection; Encephalomyelitis, Porcine [Teschen Disease]; Trypanosoma Equiperdum Infection [Dourine].
SOAP. See Disinfectants.
SODIUM CHLORIDE. Salt poisoning in livestock, 1337; wool-eating by camels a result of salt deficiency, 2017.
SODIUM FLUORIDE. See Anthelmintics.
SOLANUM. See Poisoning, plants.
SONIC ENERGY. See Technique, bacteriology.
SORGHUM. Toxicity of *S. vulgare*, 1340.
SOUTH AFRICA. See Glossina; Haemoglobinuria, Puerperal; Milk and Milk Products, general; Reports; Ticks, general; Wild Animals and Birds.
SOUTH AUSTRALIA. See Vitamins, vitamin A.
SOYA BEANS. See Nutrition and Nutritional Diseases.
SPAIN. See Clostridium Botulinum Intoxication; Foot and Mouth Disease, general; Ostitis Fibrosa; Salmonella Infection, general.
SPERMATOZOA. See Insemination, Artificial; Genital System, semen and spermatozoa.
SPIERLAL. See Tetany.
SPINAL COLUMN. The spinal column of domestic animals, 1228.
SPIRILLUM INFECTION. *Spirillum muris* in parotid glands of mice, 487.
SPIROCHAETA INFECTION.
General. In the horse and mule, 310; *S. theileri* in cattle in Australia, 60; spirochaetosis in pigs, 1418; tick-borne infection in jackals, 484; *Treponema cuniculi* in rabbits, 1420; non-transmission of *S. persica* through placenta of g. pigs, 1968; attenuation of trypanosoma infection in mice by *S. duttoni*, 875; loss of virulence of *Treponema pallidum* on drying of blood serum, 1582.
Avian. Fowl spirochaetosis in Egypt, 1965; isolation of a spirochaetae from hen's eggs, 486; susceptibility of fowls to *S. duttoni*, 1966; transmission by *Argas persicus*, 862.
SPLEEN. Siderofibrous nodules in the spleen of dogs, 1650.
See also Endocrine System, general.
SPORES. See Bacteria, General.
SPOROTRICHOSIS. In a mule, 1064; in horses in Colombia, 1065.
SPREADING FACTORS. See Hyaluronidase.

SQUIRRELS. See Rabies; Wild Animals and Birds.
STACHYBOTRYS. Toxicity of wintered fodder plants, 1657.
STAPHYLOCOCCI.
General. Coagulase and toxin production in different strains, 1550; action of bromine and iodine on the toxic enzymes of *Staphylococcus aureus* and *Streptococcus pyogenes*, 2037; adaptation to antibiotics, 2; actions of penicillin on gaseous metabolism of staphylococci, 736; studies of mutation, 637; production of mutations by chemical treatment of the substrate, 1940; tests for pathogenicity of staphylococci, 1395; effect of temperature and serum on detoxication of staphylococcal toxin, 1737; staphylococcal haemolysins, 1736.
See Enzymes.
STAPHYLOCOCCUS INFECTION.
General. Food poisoning and staphylococcus enterotoxin, 1396; affinity of *Staph. aureus* for muscle tissue, 638; comparative effect of an extract of brain tissue and penicillin on *Staph. aureus* infections, 1851; treatment on animals with anatoxin, 2118; immuno-therapy of staphylococcal diseases, 636.
See Penicillin, general.
In lambs. In lambs associated with tick bite, 241.
In Cattle. See Mastitis.
In Wild Animals. In game birds and animals, 829.
"STEELY" WOOL. See Copper, deficiency.
STEPHANURUS. Kidney worms and effect of feeding banana stems to infected pigs, 1625.
STERILITY. In mares, 602 and 1385; in donkeys, 1703; reproductive disorders of cows in the Alps, 781; sterility in cattle and use of hormones, 1534; foot and mouth disease a cause of sterility in rams, 1704; diagnosis of sterility, 1937; intra-uterine injections for treatment, 943.
See also Fertility.
STEROIDS. See Lactation.
STIFF-LAMB DISEASE. Prevention and cure by vitamin E., 960.
ST. GEORGE DISEASE. See Cattle, diseases general.
STILBAMIDINE. See Poisoning, organic poisons.
STILBOESTROL. See Sex Hormones, oestrogens.
STOCKHOLM. See Education.
STOMATITIS, VESICULAR. Vesicular lesions in farm animals, 1434.
STOMOXYS, 95.
STORMONT TEST. See Mycobact. Tuberculosis Infection, tuberculin test.
STOVARSOL. See Eimeria Infection, in rabbits.
STREPTOBACILLUS MONILIFORMIS. See Actinomyces Muris.
STREPTOCOCCI.
General. In dogs, 1033; influence of culture and of extracts on growth rates of haemolytic streptococci, 242; fibrinolysin in broth cultures, 451; virulence attenuation by sulphonilamide, 452; human strains occurring in animals, 1551; effect of bromide and iodine on toxic substances of *Streptococcus pyogenes*, 2037; modern techniques for haemolytic streptococci, 1240; use of sodium azide for isolation, 623; effect of *Strept. pyogenes* filtrates on bacteria, 639; group A antigens, 830; Nisin, an antibiotic from lactic streptococci, 1169.
See also Mastitis.
Typing. From milk and milk products, 4; Oxygen-stable haemolysin of group A (streptolysin S.), 5.
Str. Agalactiae, 243, 244.
See also Mastitis, Bovine.
Strept. Equi. Culture filtrate at a vaccine, 1552; in the placenta and foetus in cattle and sheep, 1563.
STREPTOLYSIN. See Streptococci, typing.
STREPTOMYCIN. See Antibiotics, actinomyces products.
STREPTOTHRICIN. See Antibiotics, actinomyces products.
STREPTOTHRICOSIS. Cutaneous streptothricosis of cattle, 2157.
STRONGYLES. Development of eggs and larvae of horse strongyles, 344.
See Anthelmintics.
STRONGYLOIDES, 103.
STRYCHNINE. Detection of in poisoned dogs, 1140.
SUBTERRANEAN CLOVER. See Clover.
SUBTILIN. See Antibiotics, various.
SUCCINIC ACID. See Mycobact. Tuberculosis, cultivation.
SUCKLEYA SUCKLEYANA, 727.
SUDAN. The part played by the animals of the Sudan in the allied armies, 2280.
See also Reports; Rinderpest.
SUDDEN DEATH. In cattle from traumatic gastritis, 2248.
See also Heart; Herztod; Horses, diseases general; Swine, diseases general.
SULPHARSENOL. See Trypanosoma Infection, immunization.
SULPHONAMIDES.
General. Sulphonamide therapy, 1861; the intracellular mode of action of sulphonamide derivatives, 1862; evaluation of therapeutic activity of sulphonamides by implantation of pellets in mice, 2036; bacterial chemotherapy in veterinary medicine, 1150; pharmacology of the sulphonamides in domestic animals, 1860; action of sulphonamides on experimental neurotropic and dermotropic virus infections, 1982; mode of origin of sulphonamide-resistant strains of *Shigella flexneri*, 852; bacterial dissociation and resistance to sulphonamides, 1760; carriers of sulphonamide-resistant pneumococci, 182; relation of immunity to bacterial chemotherapy, 1152; use in avian pasteurellosis, 732; efficacy of sulphonamides against fowl typhoid, 1864; for control of *S. pullorum* infection, 1170; in experimental avian malaria, 949.
See also Brucella Infection, treatment; Eimeria Infection, treatment; Foot and Mouth Disease, treatment; Mastitis, Bovine, treatment.
Prontosil. Dose of prontosil for horses, 734.
Sulphanilamide. Effect of sulphanilamide on bull semen, 1171.
Sulphamerazine. Clinical use in haemorrhagic septicaemia and pneumonia in cattle, 1490; sulphamerazine in control of *S. pullorum* infection and other diseases of poultry, 2038; influence of sulphamerazine upon incidence of avian lymphomatosis, 1865; for a respiratory disease of turkeys, 1491; toxicity for chickens, 2255.
Sulphamethazine. Effect on development of *Eimeria tenella*, 683 and 948; for hepatic coccidiosis in rabbits, 1177; tonic effects on chickens, 1976.
Sulphamezathine. Sulphamezathine for navel-ill in suckling pigs, 2045; dosage for canine coccidiosis, 1175.
Sulphasuxidine. Action on TB., 179.
Sulphathalidine. In treatment of swine enteritis, 1661.
Sulphathiazole. In treatment of joint-ill, 1675.
Sulphapyridine. In treatment of neurotropic virus infections of rodents, 1863.
SULPHONES. Pharmacology of sulphones in domestic animals, 1860.
See Eimeria Infection (Coccidiosis), bovine.
SULPHURETTED HYDROGEN. See Poisoning, organic poisons.
SUNLIGHT. See Milk, general.
SURRA. See Trypanosoma Evansi Infection.
SWAINSONIA GALEGIFLORA, 1145.
SWAINSONIA LUTEOLA, 1145.
SWAMP FEVER. See Anaemia, Equine Infectious.
SWAYBACK. See Ataxia; Copper.
SWAZILAND. See Reports.
SWEATING. In domestic animals, 2054; sweating sickness of cattle, 1647; sweating sickness treated with ferrous sulphate, 1021; adrenalin in sweat of horses, 156.
SWEDEN. See Brucella Infection, in cattle; Diseases General; Grass Sickness; Reports; Swine Fever; Wild Animals and Birds.
SWINE.
General. Pigs, their breeding, feeding and management, 1027.
See also Digestive System, intestines; Zootechny.
Diseases, General. Some pig diseases, 367; diagnosis and control of some communicable diseases, 368; sudden deaths in swine, 934; "Pig Death" (Grisedauen), a new diseases of pigs, 721; rhinitis of swine, 1000; piglet diseases, 369; rat bite in young pigs, 429; gastro-enteritis of swine, 542; attempts to reproduce enteritis in swine, 543.
See also Enteritis, Porcine.
Bacterial Diseases. Infectious enteritis. Paratyphoid and *Bact. coli* infections, 279.
See also Corynebacterium Infection; Erysipelothrix Rhusiopathiae Infection; Haemophilus Infection; Mycobacterium Tuberculosis Infection; Pasteurella Infection; Pneumonia; Salmonella Infection; Spirochaeta Infection, general.
Protozoan Diseases. See Eimeria Infection.
Nutritional Diseasis. See Nutrition and Nutritional Diseases, general; Rickets; Vitamins, B complex (Biotin).
Parasitic Dieases. See Ascaris; Stephanurus.
Poisoning. See Poisoning, plants.
SWINE ERYSIPELAS. See Erysipelothrix Rhusiopathiae Infection.
SWINE FEVER, 433; Epidemiology and prevention, 2191; prevention and diagnosis, 317; Boynton gall bladder smear for diagnosis, 318; immunization, 316; control, 1602; paths of infection, 1603; susceptibility of swine fever-immune pigs to intracerebral infection with *Erysipelothrix rhusiopathiae*, 1409; crystal violet vaccine, 820 and 1288; crystal violet vaccine in Venezuela, 1601; preparation of antiserum, 691; post-mortem findings in Sweden, 1600; in Korea, 2078.
SWITZERLAND. See Brucella Infection, immunization; Encephalomyelitis, Porcine [Teschen Disease]; Mange; Mycobacterium Infection, control.
SYNCOPE. See Herztod.
SYNGAMUS. In Zoological Gardens, 104.
SYNOVIA. See Joints.
SYRIA. See Haemoproteus Infection; Trypanosoma Evansi Infection [Surra].

T

TAENIA. See Cestodes.
TALLEBUDGERA DISEASE. See Horses, diseases general.

TANGANYIKA. See Reports.
TAPEWORMS. See Anthelmintics; Echinococcus; Cestodes; Cysticercus.
TEATS. *Demodex folliculorum* in the human nipple, **1306**.
TECHNIQUE.
General. Endoscopic photography in large animals, **2301**; poultry post-mortem techniques, **2307**; a tail plethysmograph for arterial pressure reading in the dog, **2310**; oral administration of liquids to laboratory animals, **1008**; techniques for study of wild rats, **787**; copying pencil marking of pigs, **222**; a new anti-corrosive for knives, **1242**; protection of instruments in the tropics, **789**; making micro-instruments, **790**; determination of s.g. of urine, **792**; rapid urine analysis, **793**; reagent for detection of albumin in urine, **794**; collection of blood and injections in to the jugular vein of the dog, **798**; needle for intratracheal injection, **2308**; quantitative method for intravenous injection of small volumes, **2703**; a micropipette for cutaneous application of vesicants, **1921**; method for study of invitation and toxicity of substances applied to the skin and mucous membranes, **2313**; estimation of haemoglobin, **796**; colorometric determination of haemoglobin, **2314**; counting blood cells by dark-field illumination, **1721**; intravenous pyelography in dogs, **2311**; myelography in the dog, **1927**; method for obtaining prolonged action of injected hormones, **1928**; apparatus for study of droplet infection, **1926**; estimation of cobalt in biological materials, **223**; method for determination of legnin in animal nutrition studies, **2312**; apparatus for artificial feeding of reduvid bugs, **2208**; use of glass electrodes in physiological research, **1546**; molecular sedimentation in the ultracentrifuge, **2315**; apparatus for continuous recording of volume of expired air, **1723**; constant flow gassing chambers, **1722**; device for determining effectiveness of dairy detergents, **2102**; Hilsch heat separator, **2101**; columnized medical charts, **803**; international system of weights and measures, **802**.
Bacteriology. New technique for agar cup-plates, **785**; malachite green, phenol red agar and malachite green, phenol red sucrose agar, **1010**; medium for pleuropneumonia-like organisms, **1003**; nephelometry of suspensions and evaluation of the fermentation power of bacteria, **2297**; use of cellophane for cultivation of organisms, **1717**; trypsin digest media, **784**; methods for study of haemolytic streptococci, **1240**; saponin in anthrax spore vaccines, **1005**; for culture of TB., **215**; acid-permanganate for cleaning glassware contaminated with tubercle bacilli, **2298**; method for separating rickettsia from tissues and from acid-fast bacteria, **1004**; assay of antibiotics, **216**; desiccation and lyophilization of biological products, **217**; drying of viruses, **1007**.
Helminthology. Concentration method for microfilariae in blood, **786**.
Histology. Embedding in paraffin direct from alcohol, **224**; a tissue basket for paraffin infiltration, **2104**; ester wax for embedding, **1720**; picrolyte resins as mounting media, **219**; simple method for squashing and mounting preparations after any stain, **1923**; shadowed replicas of ground sections of teeth, **788**.
Microscopy. Incubator fitted with a microscope, **231**; phase difference microscopy, **2300**; a pantograph micromanipulator at small magnifications, **2299**.
Protozoology. For diagnosis of canine piroplasmosis, **218**.
Staining. Theory of staining. The adsorption toluene blue method, **2302**; method for combined positive and negative staining of bacteria, **2305**; ethyl alcohol substitutes for making stains, **791**; staining *Mycobact. tuberculosis* with von Halberg's technique, **1718**; methyl green picrate for differentiating Altmann's fuchsine stain, **1241**; fatty material in bacteria and fungi revealed by staining dried, fixed slide preparations, **2106**; selective staining of collagen with acid anilin dyes, **2304**; permanent stain for amyloid, **2105**; demonstration of amyloid in paraffin sections, **2306**; staining of reticulocytes, **797**; block-surface staining, **220**; phloxine as a stain in combination with haematoxylin, **1924**; block staining with picric acid and the Feulgen reaction, **1925**; modified Gordon and Sweets' method for silver impregnation of reticular tissue, **2303**; for demonstrating neutrophilic granules in haemopoietic cells, **624**; Sudan black and May-Grunwald Giemsa for leucocyte granules, **1719**.
TEETH. Effect of vitamin C deficiency on dentine cells, **716**; effect of carbohydrates on the dental flora of the rat, **1461**; exposed dental pulp as portal of infection in poliomyelitis, **1610**.
See also Fluorine; Technique, histology.
TELANGIECTASIS. See Liver, diseases.
TEMPERATURE, BODY. Rectal temperatures of animals, **1204**; effect of showers and wallowing on the body temperatures of animals, **1915**; diurnal variation in zebu-Holstein cattle, **420**; repeatability of heat tolerance observations, **1916**; overheating and chilling of chicks, **1374**.
See Heat Regulation; Temperature, Environmental.
TEMPERATURE, ENVIRONMENTAL. Adaptation to changes in humidity at constant temperatures, **2096**; ascorbic acid and acclimatization to cool environment, **2097**; relation of total solids and fat content of milk to atmospheric temperature, **1914**.
See Heat, Regulation, Temperature, Body.
TENACETUM. See Nematodes.
TERATOLOGY. Origin of teratoma, **1316**; anomalies of foetal development, **1904**; congenital adnormalities in infants following virus disease of mother during pregnancy, **1388**; terata of the caudal region in fowls, **2294**.
TERMINALIA OBLONGATA, 1143.
TESCHEN DISEASE. See Encephomyelitis, Porcine [Teschen Disease].
TESTICLE. See Genital System.
TESTOSTERONE. See Sex Hormones, androgens.
TETANY. A form in calves in Holland known as "spierlal," **718**.
THEILERIA INFECTION. East Coast Fever and related diseases, **685**; susceptibility of cattle, **58**; in calves in the Punjab, **407**; immunity to East Coast Fever, **1433**; transmission through egg of *Hyalomma turkmeniense*, **57**; inclusions in mononuclear cells of cattle with *T. dispar*, **56**; treatment of *T. dispar* infection, **483**.
THERAPEUTICS. The three principal epochs in therapeutics, **1148**; the chick embryo in chemotherapeutic research, **170**; standardization of biological products, **1526**; supplies of pharmaceutical products in France, **1149**; bacterial chemotherapy in veterinary medicine, **1150**; globucid and albucid in bacterial diseases of cattle, **1489**; injection of oil emulsions of therapeutic agents, **2028**; effect of lentin on gastro-intestinal tract of horses, **1840**; assaying motion sickness preventives on dogs, **1841**; treatment of injuries with propidon, **1688**; intrasternal administration of heparin, **1519**; new absorbable haemostatic agents, **1219**; new anticonvulsants, **1515**; pregnancy serum. A new therapeutic agent, **1529**; effect of causyth, yatren and chinosol on blood sugar and temperature, **1362**; short-wave therapy, **557**; properties of "colfin," **197**.
See also Books and under names of diseases for specific treatments.
THERMOCOUPLES. For biological research, **432**.
THERMOMETERS. A source of infection in hospitals, **426**.
THIAMINE. See Vitamins, vitamin B_1 (Thiamine).
THIOUREA AND THIOURACIL. See Thyroid Gland.
THIOPYRIMIDINES. See Antibiotics, various.
THRELKELDIA PROCERIFLORA, 1144.
THRUSH. Pathology and bacteriology of thrush in horses, **1327**.
THYMUS GLAND. Effect of massive oestrogen treatment on the thymus gland in the rat, **1539**.
See also Neoplasms, causation.
THYROID GLAND. Effect on experimental TB., **1261**; congenital goitre in lambs, **999**; hyperthyroidism and growth, **393**; influence on pregnancy and parturition, **159**; effect of adrenalin on thyroid activity, **157**; anti-thyroid activity of ergothioneine, **252**; influence of thiouracil and thiourea on growth and fattening of lambs, **1480**; effect of thiouracil on the growth of swine, **1481**; effect of thiouracil on moulting in hens, **1482**; derivatives of thiouracil, **1139**; thyroxine in hybrid chicks as a factor in heterosis, **608**; influence of diet on susceptibility of rats to thiourea, **1128**; effects of thiouracil on growth and fattening of steers, **1479**; utilization of thyroxine and thyroprotein by ruminants, **978**; effect of prolonged feeding of synthetic thyroprotein to dairy cows, **2015**; effect of feeding iodinated casein to pigs, **1814**; effect of prolonged feeding of thyroprotein on egg production, **2016**; effect of iodinated casein on egg laying in fowls, **775**; effects of feeding iodinated casein to laying hens, **1463**; antigenic properties of iodinated proteins, **1451**; thyroid poisoning, **1147**.
See Circulatory System; Herztod.
THYROPROTEIN. See Thyroid Gland.
TICKS.
General. In South Africa, **1619**; ticks and tick-borne infections in Western Canada, **1799**; in domestic animals in Queensland, **1620**; control of ticks in U.S.S.R., **1090**; developments in tick control, **2213** and **2214**; action of chemical substances on ticks, **1181**; waste lubricating oil for control, **1182**; arsenic-resistant blue ticks, **88**; dip-resistant blue tick, **2005**; arsenic-resistant ticks in Queensland, **2316**.
See also Boophilus; D.D.T.; Gammexane; Parasiticides, Ornithodoros.
Diseases Caused Or Transmitted By. Carriers of disease in man and animals, **906**; tick transmission of disease, **1452**; tick-borne diseases of man in Alberta, **1800**; tick-borne fever in sheep, **498** and **499**; staphylococcus infection in lambs associated with tick-bite, **1**; relapsing fever in jackals, **484**; *Argas reflexus* and transmission of salmonellosis in pigeons, **90**; ticks and epidemiology of equine infectious encephalomyelitis, **2004**.
See Anaplasma Infection; Babesia Infection; Paralysis; Rickettsia Infection; Salmonella Infection, general; Theileria Infection.
TOCOPHEROL. See Vitamins, vitamin E.
TOMATIN. See Antibiotics, various.
TORTOISES. See Cl. Botulinum Intoxication.

TOXOPLASMA. Cytological study of effect on host's cell, 1282.
TRACE ELEMENTS. Deficiences in livestock in the Hebrides, 1638.
See Books, nutrition; Cobalt; Copper; Molybdenum.
TRANSPORT OF ANIMALS. See Zootechny.
TREMATODES. See Fasciola; Schistosoma.
TREPONEMA CUNICULI. See Spirochaeta Infection, general.
TRICHINELLA.
General. Spread of larvae by the foetal vein, 912; in fish, 1311.
Diagnosis. Complement fixation tests, 106; laboratory tests, 345.
TRICHOCEPHALUS. Life history of whipworm in dogs, 1455.
TRICHOMONAS INFECTION.
General. Host relationships of trichomonad flagellates, 299; culture experiments with trichomonad and other flagellates from man and rodents, 1763; culture medium for oral trichomonads, 2170; physiology of bacteria-free *T. vaginalis*, 1973; microagglutination tests with *T. vaginalis*, 1762; trichomonads in the blood of a g. pig, 2171.
Avian. *T. gallinae* a pathogenic trichomonad of birds, 301; in pigeons, 405; effect of meta chloridine on chronic trichomoniasis in pigeons, 1866.
In Cattle. In Belgium, 880; in Eire, 1016; in Holland, 49; antibody response to *T. foetus*, 877; immunity of new-born calves, 437 and 438; passively acquired antibody in blood of calves, 878; agglutinins in vaginal mucus, 48 and 2169; effect on reproduction, 2168; experimental infection in heifers, 879; *T. foetus* in sheath washings of bulls, 1761; vaccinations, 300.
TRICHOSTRONGYLES. *T. axei* causing disease in horses, 343; nutritional and biochemical effects of *T. colubriformis* on sheep, 101; effect on wool of infestation with *T. colubriformis*, 102.
See also Phenothiazine.
TRIGLOCHIN MARITIMA, 727.
TRINIDAD AND TOBAGO. See Reports.
TROMBIDIDAE. Microphotography in identification of trombiculine larvae, 2107.
TROPICAL DISEASES. See Books, medicine.
TRYPANOSOMA INFECTION.
General. In domestic animals, 686; intercolonial conference (Africa), 1425; maintaining cattle under conditions of tsetse fly infestation, 903; effect of psychological disturbances in animals on infection, 297; experimental infections in mice, 42; non-specific protective property of serum in *T. vivax* infection, 43; volutin granules in trypanosomes, 1279; oxidation metabolism of *T. lewisi*, 1427; intracellular development of *T. lewisi* in *Ornithodoros moubata*, 873; intracellular development of *T. pipistrelli* in *O. moubata*, 874; attenuation of trypanosoma infection in mice by *Spirochaeta duttoni*, 875; neurotropic strain of *T. gambiense*, 37; morphology of *T. gambiense*, 38; characteristics of *T. gambiense*, 39; neurotropic strain of *T. gambiense*, 40; mulberry cells in rats infected with *T. gambiense*, 41.
Immunity. Immunity and premunity in cattle, 298; serological tests in ruminants, 1069; chemical-biological immunization using sulpharsenol, 478; effects of immune blood on *T. cruzi*, 47; lowered resistance in hypophysectomized rats to *T. lewisi*, 1280; complement fixation in rabbits with antigen for *T. equiperdum* and *T. evansi*, 870.
Treatment. Chemotherapy of experimental infections and resistance to subsequent infection, 1497; drug-fastness, 1502; drug resistant strains of trypanosomes, 1350; differential staining of normal and drug resistant organisms, 2167; pentamidine in experimental *T. brucei* and *T. evansi* infections in the rat and rabbit, 1971; trypanocidal action of amino-phenylstibinate methyl glucamine, 1174; leucocyte picture after neostibosan and neostam, 572; action of trichloride of arsenic, 872; activity of some derivatives of ethylene diamine, 1498; phenanthridinium, 296; phenanthridinium compounds in bovine trypanosomiasis, 1349; effect of stage of infection on response of *T. congolense* in cattle to phenanthridinium, 1499; prophylactic use of phenanthridinium against *T. congolense* and *T. vivax* infections, 1501; stibophen and phenanthridinium in Kenya, 1021; Toxicity of phenanthridinium, 1500; immunizing effect in the action of trypanocidal drugs, 1426.
TRYP. BRUCEI, 903, 1425, 1497, 1971, 1972.
TRYP. CONGOLENSE, 872, 903, 1499, 1501.
T. CRUZI INFECTION [CHAGAS' DISEASE]. Growth in tissue culture, 681; insusceptibility of pigeons, 44; cultivation of *T. cruzi*, 45 and 46.
T. EQUINUM. See T. Evansi Infection.
T. EQUIPERDUM INFECTION [DOURINE], 1972; dourine, 2027; detection of *T. equiperdum* in infected horses, 2166; complement fixation in normal rabbits, 870; complement fixation test in diagnosis, 1544; in California, 1022; in Morocco, 2241; in Slovakia, 36.
T. EVANSI INFECTION [SURRA], 1497, 1971, 1972; control of surra in India, 1352; distribution and seasonal occurrence in India, 2165; in camels, 811; in camels in Iran. Experimental study with *T. evansi*, 1428; Syrian strain infection of horses, clinical and serological studies, 33 and 34; in Burma, 1017; in Mauritius, 1728; cerebrospinal fluid in *Tryp. equinum* infection, 1068; experiments with *T. venezuelense* and *T. equinum*, 35; in a chick after inoculation into the chorio-allantoic membrane, 871; complement fixation in normal rabbits, 870.
T. LEWISI, 1927.
T. VENEZUELENSE. See T. Evansi Infection.
T. VIVAX, 43, 903, 1501.
TRIPHENYLMETHANE . See Anthelmintics.
TSETSE FLY. See Glossina; D.D.T.
TULAREMIA. See Brucella Tularensis Infection.
TURKEYS. Diseases of turkeys in N. York, 370; a destructive turkey disease, 1484.
See also Burns; Echinostomum; Eimeria Infection, avian; Erysipelothrix Rhusiopathiae Infection; Histomonas Meleagridis Infection; Lice; Monilia; Paracolon Infection; Pasteurella Infection; Perosis; Phenothiazine; Salmonella Infection; Skin, diseases; Sulphamerazine.
TURPENTINE. See Brucella Infection, treatment.
TWINS. Genetics and identical twins in cattle, 1903.
TYMPANITES. Treatment with milk, 2049.
TYPHOID. Value of phage-typing in a rural outbreak, 849.
TYROGLYPHID MITES. See Mites.

U

UDDER. Bacteria in normal udders, 3; apparatus for rapid udder infusion, 1724; nerve regeneration in the udder, 2265; chemical cytology of mammary gland, 1521; changes in the arginase and alkaline phosphatase of the mammary gland and liver during pregnancy, lactation and involution, 1540; effect of adrenalectomy on the mammary gland, 1538.
See also Mastitis, Bovine; Neoplasms, in domestic animals; Sex Hormones, oestrogens.
UGANDA. See Blowflies.
ULTRACENTRIFUGE. See Technique, general.
ULTRAVIOLET IRRADIATION. See Bacteriophage; Radiations.
UNESCO. See International Organizations.
UNRRA. See International Organisations.
URAEMIA. See Kidneys.
UREA. See Nutrition and Nutritional Diseases.
URIC ACID. See Skin, general.
URETHANE. See Neoplasms, causations.
URINARY SYSTEM.
Diseases. Calcium and phosphorus metabolism in uraemia in dogs, 1208.
Urine. As a larvicide and insecticide, 1353.
See also Kidneys; Technique, general.
UROTROPINE. See Horses, diseases general.
URUGUAY. See Dioctophyme; Myiasis; Oesophagostomum; Salmonella Infection, in horses.
U.S.A. See Newcastle Disease; Reports; Services, Veterinary; Zebu Cattle.
U.S.S.R. See Reports.
UTERUS. See Genital System.
UTRECHT. See Diseases, General.

V

VENEZUELA. See Eimeria Infection, in swine; Swine Fever.
VENOMS, 628; snake venom ophthalmia, 554.
VERBESINA ENCELIOIDES, 1144.
VERNES' REACTION. See Immuniology, general.
VERTEBRAL COLUMN. See Anatomy; Spinal Column.
VETERINARY EDUCATIONAL TRUST. See Reports, Gt. Britain.
VIBRIO FOETUS INFECTION. Is *V. foetus* pathogenic for man, 2156; agglutinins in bovine sera, 6; vibrionic abortion in a dairy herd, 2155.
VICTORIA. See Arthropoda; Cestodes; Nematodes.
VIRILISM. See Sex Hormones, general.
VIRUSES. Filtration and filtrable agents of disease, 1084; immunology and epidemiology of some virus diseases, 1612; drying of viruses, 1007; methods for cultivation, 783; electron microscope studies of virus elementary bodies, 1611; proliferative processes and neoplasms due to viruses, 1626; complement-fixation in neurotropic virus infections, 489; effect of mucin on infection by Shope fibroma and vaccinia virus, 575; effect of sulphonamides on neurotropic and dermatropic virus infections, 1982; therapeutic activity of chloromycetin, 1868.
See also Bacteriophage; Immunology; Haemagglutination and Haemagglutination Inhibition Tests; Teratology; also under names of specific virus diseases.

VITAMINS.
General. All the vitamins, **2240**; vitamins in important foods, **1468**; thiamine, riboflavin, nicotinic acid and pantothenic acid content of mare's colostrum and ascorbic acid content of the milk, **1116**, effect on blood, liver storage and incidence of scours in calves, **1356**; supplementary vitamins for calves, **529**; synthesis of vitamins in ruminants, **2063**; a lactation vitamin, **1477**; thiamine, riboflavin and choline requirements of sows for reproduction, **1470**; danger of vitamin deficiency in poultry, **1470**; adequacy of known vitamins for feathering and pigmentation in chicks, **1469**; relation of pantothenic acid, nicotinic acid, pyridoxine, folic acid, and biotin to hatchability of hens eggs, **1817**; hormones and vitamins, **1939**; antistiffness factor and phosphorus content of muscle in g. pigs, **383**.
See Books, nutrition.
Vitamin A [Carotene]. Metabolism in horses, **130**; in causation of early death in foals, **1640**; carotene blood levels and fertility in cattle, **1532**; relationship with ascorbic acid in spinal fluid in cattle, **1111**; prepartum diet and carotene and vitamin A content of bovine colostrum, **526**; utilization by new-born calf, **527**; cod liver oil in rations of calves, **385**; concentration in blood of sheep in S. Australia, **131**; effect of carotene on health and on blood and liver concentration of vitamin A in sheep, **1113**; avitaminosis A in sows, **715**; deficiency in rabbits, **528**; locomotor disturbances in fowls deficient in vitamin A, **132**; effect of progressive depletion in fowls, **1112**; hypervitaminosis A, **384**; reversibility of vitamin A deficiency changes in bones, **1110**.
Vitamin B_1 [Thiamine]. Antithiamine activity of plant materials, **1341**; overdosage causing skin lesions in rats, **1121**; effect on social contacts in mice, **532**.
Vitamin B Complex [Various]. Yeasts in nutrition of animals, **386**; distiller's by-products in swine rations, **1117**; deficiency and relation to poliomyelitis, **536**; experimental hypovitaminosis B and D on swine, **1322**.
B Complex [Biotin]. Biotin and the avidin-biotin complex, **1472**; deficiency in pigs, **135**; for prevention of dermatitis and perosis in turkeys, **1641**; relation to the course of avian malaria, **1429**.
B Complex [Folic Acid]. In nutrition of monkeys, **1122**; folic acid and egg production and fertility, **1474**.
Vitamin B [Nicotinic Acid]. Deficiency after oral penicillin, **136**; pellagra-producing diet in dogs, effects on c.n.s., **533**; corn diets and nicotinic acid deficiency in growing pigs, **1473**.
Vitamin B [Panthothenic Acid]. Relation to hatchability of eggs, **1817**.
Vitamin B [Pyridoxine]. Impaired antibody response in pyridoxine deficient rats, **2204**.
Vitamin B [Riboflavin]. Effect of sunlight on riboflavin content of milk, **1373**; requirements of chickens, **1118-1120**; for prevention of dermatitis and perosis in turkeys, **1641**.
Vitamin C [Ascorbic Acid]. Content in blood of farm animals, **534**; in ruminants, **133**; in spinal fluid in cattle, **1111**; waxy muscle degeneration (Zenker's degeneration) in deficient calves, **134**; effect of sunlight on ascorbic acid content of milk, **1373**; effect of deficiency on nucleotide metabolism of the dentine cells, **716**; in prevention of scurvy in g. pigs, **962**; ascorbic acid and acclimatization to cool environment, **2097**; behaviour of salmonella, brucella and coli organisms towards vitamin C, **2143**; effect of deficiency of vitamin A on vitamin C metabolism, **528**.
See also Bacillus Anthracis.
Vitamin D. Possible role in milk fever, **530**; experimental hypovitaminosis B and D in swine, **1322**; effects of manganese and vitamin D on fowls, **1321**.
Vitamin E. Cardiac failure in cattle on vitamin E deficient diet revealed by electrocardiogram, **1115**; muscular dystrophy in calves, **557**; in prevention and cure of "stiff-lamb" disease, **960**; heart disease in dogs and cats treated with vitamin E, **1210**; manifestations of deficiency in monkeys, **1475**; wheat germ oil in poultry rations, **1825**; and adipose tissue, **1114**; relation between tocopherol and cystine and isoleucine, **1476**.
Vitamin K. Anti-bacterial effects of analogues of vitamin K, **961**; haemorrhagic diathesis induced by deficiency, **531**.
VENEZUELA. See Eimeria Infection, in swine.
VOLES. See Mycobacterium Tuberculosis Infection, in voles; Wild Animals and Birds.
VOLUTIN. Volutin granules in trypanosomes, **1279**.

W

WALKABOUT DISEASE. See Poisoning, plant.
WALLUM DISEASE. See Poisoning, plant.
WAR GASES. Absorption by the nose, **1336**.
WARBLES. Oestridae.
WATER AND WATER METABOLISM. Sudden shifts of body fluids, **591**; water intake and food intake in rats, **589**; human water requirements, **755**.
WEATHER. See Zootechny.
WEDELIA ASPERRIMA, 1144.
WEIGHT. Relation between daily gain to some carcass measurements, **1541**.
WEIL-FELIX REACTION. See Rickettsial Infections.
WEIGHTS AND MEASURES. International System, **802**.
WELTMANN'S REACTION. See Diagnosis.
WESTERN AUSTRALIA. See Copper, deficiency.
WHEAT. Potassium and calcium in blood of cattle grazing wheat, **1820**.
See Hysteria, Canine.
WHEAT GERM OIL. See Vitamins, vitamin E.
WHIPWORMS. See Trichocephalus.
WHITE MUSCLE DISEASE. See Muscles.
WILD ANIMALS AND BIRDS. Game in relation to animal diseases, **1645**; diseases of game animals, **365**; staphylococcus infection, pseudotuberculosis, and pasteurellosis in game, **829**; mammalian hosts of tick typhus in Queensland, **1621**; incidence of brucellosis in buffalo and elk herds, **1273**; rickettsial infection in elk and buffalo herds, **1450**; deer management and diseases and parasites of domestic stock, **1710**; deer management and beef cattle production, **1711**; strains of TB. from the Cape Kudu, **1945**; contagious bovine pleuropneumonia in an antelope, **1421**; transmission of *Babesia canis* to jackals, **1431**; post-mortem examinations of deer, foxes, badgers, voles and squirrels in Sweden, **2022**; post-mortem examinations of hares in Sweden, **2024** and **2025**; septicaemia in mink due to *Klebsiella friedländeri*, **842**; mongoose and squirrels carriers of rabies, **1767**; post-mortem examinations of game birds in Sweden, **2026**; post-mortem examinations of capercailzie and black cock in Sweden, **2023**; equine encephalomyelitis in pheasants, **1770**; lizards as carriers of salmonella and paracolon bacteria, **1956**.
WITHERS, FISTULOUS. See Onchocerca.
WOOL. Some problems of wool production, **1627**; effect of *T. colubriformis* infestation on production of, **102**; wool-eating by camels a result of salt-deficiency, **2017**.
WOUNDS. Clinical manifestations and treatment of wounds infected with gram-negative organisms, **754**; allergy and delayed healing of wounds, **776**; oxalic acid in healing of wounds, **1198**; treatment with naphthalene, **2259** and **2260**; dietary protein level and repair of wounds, **522**; antiseptics in treatment of wounds, **1874**; effect of therapeutic agents on the microflora of wounds, **2050**; stimulating healing by embryonic tissue emulsions, **2257**; growth-promoting substances in treatment, **967**.

X

X-DISEASE. In cattle and sheep in California [symptoms resemble "tembleque"], **1025**.
See Hyperkeratosis.
X-RAYS. Lethal and sublethal effects of *B. coli* and yield of mutants, **1952**.
See Castration; Radiography.

Y

YELLOW FEVER. Vertebrate hosts and arthropod vectors, **1295**.
YEAST. See Vitamins, vitamin B Complex.
YUGOSLAVIA. See Helminth Parasites; Clostridium Infection, in sheep.

Z

ZEBU CATTLE. Fertility in Nigeria, **603**; Indian cattle in the U.S.A., **1912**.
See Genital System, oestrous cycle; Temperature, Body.
ZENKER'S DEGENERATIONS. See Muscle.
ZOOLOGICAL GARDENS. Syngamus.
ZOOTECHNY. Recent advances in animal husbandry, **525**; animal husbandry in China and India, **2098**; animal husbandry in Europe, **1913**; disease and the weather, **622**; wet-season variability and fat-lamb production in S. Australia, **2012**; modern problems, **1239**; bleeding slaughter animals, **1714**; dangers of home made electric fence controller, **1920**; estimating livestock losses, **2099**; shipment of horses, **211**; use of naval craft for shipping animals in the Arakan operations, **2295**; motor transport of livestock, **212**; dehorning of cattle, **1391**; identification of pigs, **419**; double-row cow sheds and droplet infection, **210**; atmospheric dryness, formula for calculating, **416**; mechanical tests for working horses, **418**; body temperature of Zebu-Holstein cattle, **420**; deer management, **1710**; deer management and beef cattle production, **1711**.
See also Milking Machines; Pregnancy Diagnosis.